

**2008 4th QUARTER GROUNDWATER
MONITORING REPORT**

FORMER ANGELES CHEMICAL COMPANY FACILITY
8915 SORENSEN AVENUE SANTA FE SPRINGS, CALIFORNIA

Prepared and Submitted to:

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ABSTRACT

Twenty-one groundwater-monitoring wells were gauged and twelve wells were sampled for laboratory analysis at the former Angeles Chemical Company (ACC), Inc. facility, located at 8915 Sorensen Avenue, Santa Fe Springs, California, on December 8, 2008. The SVE system operated for all 92 days of the current quarter (2,208 hours). Approximately 167 pounds of VOCs were removed by the SVE system this quarter. The total of pounds of VOCs removed by SVE in 2008 is 3,308 pounds.

Groundwater elevations dropped in all first water monitoring wells which had measurable water levels (MW-9, -10, -11, -12, -16, and -19) an average of 1.84 feet. First water wells MW-4, -6, -8 - and 18 were found to have no water in them, MW-22 and MW-26 did not have enough groundwater in them to obtain samples, and MW-19 had product sheen in it (and so it was not sampled). The pattern created by contouring groundwater data (see **Figure 3** this report) suggests a northwest/southeast trending ridge centered mid-site of high groundwater, similar to those described in previous quarterly monitoring reports. The southwestern flank of this ridge drops off steeply towards MW-18. The major difference between the groundwater contour map crafted last quarter (3rd Quarter 2008) and the current map of first water elevations is a better developed central groundwater ridge this quarter. With the exception of MW-20, groundwater elevations dropped by an average of 3.05 feet in all upper A1 zone monitoring wells (MW-13, -14, -15, -17, and -21), resulting in a surface dipping to the southwest (see **Figure 4**). The drop of the groundwater surface in MW-20 was measured to be 10.03 feet, an anomalous figure. CSI suspects a mis-measurement of the groundwater level in MW-20 last quarter. The Upper A-1 aquifer beneath MW-17 continues to represent the highest part of the piezometric surface beneath ACC. Groundwater levels dropped by an average of 3.04 feet in all lower A1 monitoring wells (MW-23, -24, and -25).

Results of laboratory analyses show that the Site continues to be impacted by LNAPL in the first water zone monitoring well MW-19 (a sheen and odor). Elevated dissolved-phase VOCs were identified in first water zone monitoring wells MW -9, -12, and -16. MW-4, -6, -8, -10, -11, -22, and -26 were not sampled this quarter because there was not enough water in the casings to collect a groundwater sample.

In both the upper A1 zone (MW-13, -14, -15, -17, -20, and -21) and lower A1 Zone (MW-23, -24, and -25), dissolved-phase VOCs were identified in all the monitoring wells sampled. Concentrations of dissolved-phase VOCs continue to fluctuate with groundwater elevations. Dissolved VOC concentrations in the upper- and lower A1 zones are orders of magnitude lower than those in the first water zone.

Clean Soil, Inc. (CSI) also concludes that the recent groundwater analytical data provide support that the site is experiencing intrinsic biodegradation. Daughter VOC constituents such as 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and VC were detected at dissolved concentrations up to 2,040 ug/L (1,1-DCE in first water zone well MW-16). The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator of intrinsic biodegradation.

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1.0) INTRODUCTION

Clean Soil, Inc. (CSI) was contracted by Greve Financial Services ((310) 753-5770) to write the report for the Fourth Quarter 2008 Groundwater Monitoring event at the former Angeles Chemical Company (ACC), Inc. facility located at 8915 Sorensen Avenue, Santa Fe Springs, California (See Figure 1, Site Location Map). Quarterly groundwater monitoring was requested by the Department of Toxics Substance Control (DTSC) correspondence dated September 18, 2001. This report presents the results of the 2008 4th quarter monitoring event performed on December 8, 2008.

2.0) SITE DESCRIPTION

The site is approximately 1.8 acres in size and completely fenced. The site is bounded by Sorensen Avenue on the east, Air Liquide Corporation to the north and northwest, Plastall Metals Corporation to the north, and a Southern Pacific Railroad easement and McKesson Chemical Company to the south.

The ACC operated as a chemical repackaging facility from 1976 to 2000. A total of thirty-four (34) underground storage tanks (USTs) existed beneath the site. Two (2) USTs, one gasoline and one diesel, and sixteen (16) chemical USTs were excavated and removed under the oversight of the Santa Fe Springs Fire Department. All 16 remaining chemical USTs were decommissioned in place and slurry-filled.

3.0) PREVIOUS SITE ASSESSMENT WORK

In January 1990, SCS Engineers, Inc. (SCS) conducted a site investigation and drilled eight borings from 5 feet below grade surface (bgs) to 50 feet bgs. Soil samples collected and analyzed contained benzene, 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), MEK, methyl isobutyl ketone (MIBK), toluene, 1,1,1-trichloroethane (1,1,1-TCA), tetrachloroethylene (PCE), and xylenes at detectable concentrations.

In June 1990, SCS conducted an additional site investigation at the site by advancing six additional borings drilled from 20.5 feet bgs to 60 feet bgs. A monitoring well (MW-1) was also installed. Soil sample analysis revealed detectable concentrations of the above-mentioned VOCs in addition to acetone and methylene chloride. Dissolved benzene, 1,1-DCA, 1,1-DCE, PCE, trichloroethylene (TCE), and trans-1,2-dichloroethene were detected in MW-1 above maximum contaminant levels (MCLs).

Between 1993 and 1994, SCS conducted further testing at the site. Soil samples were collected from nine borings. Five borings were converted to groundwater monitoring wells MW-2, MW-3, MW-4, MW-6, and MW-7. The predominant compounds detected in soil and groundwater were acetone, MEK, MIBK, chlorinated VOCs, and BTEX.

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In 1996 and 1999, SCS conducted separate soil vapor extraction (SVE) pilot tests using several treatment technologies on extraction well E-1 screened from 7 feet bgs and 22 feet bgs. Laboratory analysis identified maximum soil vapor gas concentrations as 1,1,1-TCA (30,300 ppmV) with detectable concentrations of 1,1-DCE, TCE, methylene chloride, toluene, PCE and xylenes. The radius of influence was measured between 35 and 80 feet.

In November 1997, SCS conducted a soil vapor survey (SVS) at the site. Soil vapor samples were collected at twenty-three locations at 5 feet bgs. In addition, soil vapor samples were collected at 15 feet bgs in five of the twelve sampling points. The SVS identified maximum VOC concentrations near the railroad tracks located on the northern portion of the site.

Blakely Environmental Investigations, Inc. (BEII) conducted an SVS at the site from November 27 to December 1, 2000. A total of 36 soil vapor sample points, labeled SV1 through SV36, were selected by BEII and approved by the DTSC for analysis. Two discrete soil vapor samples were collected from each soil vapor sample point, one at 8 feet bgs and one at 20 feet bgs. SV1 was an exception since the first soil vapor sample was collected at 10 feet bgs instead of 8 feet bgs. Based on the soil vapor sample results, BEII identified relatively low-level concentrations of VOCs in the silty clay soils at 8 feet bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20 feet bgs. Results were submitted to the DTSC by BEII in *Report of Findings*, dated January 10, 2001 with laboratory reports (BEII's *Report of Findings* dated January 10, 2001).

BEII conducted an additional SVS on the ACC site from January 14- to January 17, 2002. The purpose of the SVS was to determine the lateral extent of VOC soil vapors in the vadose zone along the eastern, northern, and southern property line of the site. In addition, BEII performed an SVS on June 13, 2002 on the Air Liquide property to determine the lateral extent of VOC soil vapors in the vadose zone north of the ACC facility. Based on the soil vapor survey results, BEII identified relatively low-level concentrations of VOCs in the silty clay soils at 5-, 7-, 8-, 10-, and 12 feet bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20 feet bgs, which are more permeable and conducive to soil vapor migration. Furthermore, VOC soil vapor concentrations were higher along the southern property line than along the east and north property line. Results were submitted by BEII to the DTSC in *Report of Findings*, dated October 15, 2002 with laboratory reports.

BEII drilled two soil borings (BSB-1 and BSB-2) and installed two groundwater-monitoring wells (MW-8 and MW-9) on the ACC site from June 5- to June 7, 2002. The purpose of the drilling was to help define the lateral and vertical extent of impacted soil along the eastern ACC property line and to help determine the extent of impacted groundwater. Soil borings BSB-1 and BSB-2 were drilled to 50- and 30 feet bgs,

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respectively. Monitoring wells MW-8 and MW-9 were installed to 40.5- and 45.5 feet bgs, respectively. Soil sample results identified elevated VOC concentrations from monitoring well MW-8 at depth between 29- and 40 feet bgs. Results were submitted by BEII to the DTSC in a *Report of Findings* dated October 15, 2002 with laboratory reports.

BEII drilled eight soil borings (BSB-3 through BSB-10) and eleven cone penetrometer test (CPT) locations (CPT-1 though CPT-11) in August 2002 to help determine the subsurface geology and extent of impacted soil. In November and December of 2002, BEII drilled seven additional borings (BSB-11 through BSB-17), fifteen additional CPT locations (CPT-12 through CPT-26), and installed twelve additional monitoring wells (MW-10 through MW-21) to help further define the subsurface geology and the extent of VOC-impacted soil/groundwater. Monitoring well MW-1 was also abandoned. In late June of 2003, BEII installed five additional monitoring wells (MW-22 through MW-26) to help define the extent of VOC-impacted soil and groundwater. Monitoring wells MW-2, MW-3, and MW-7 were abandoned. Laboratory results were submitted by BEII to the DTSC. A *Summary Site Characterization Report*, dated February 2004, was submitted by Shaw Environmental & Infrastructure, Inc. (Shaw) to the DTSC and included interpretations based on the above-mentioned borings, CPT locations, and monitoring wells. See **Figure 2** for Site Layout Map.

During the 4th quarter 2005, CSI began the VOC treatment of the vadose zone at the ACC site using a soil vapor extraction system (SVE). SVE monitoring program provides data to the DTSC regarding the removal of VOCs on a quarterly basis. SVE monitoring consists of such activities as collection of SVE samples, field analysis, laboratory analysis, and reporting. A carbon-based SVE system was turned on initially October 12, 2007 (Greve received its Permit-to-Construct the carbon-based system June 4, 2007). The system was shut down between December 19, 2007 and January 29, 2008 in order to exchange carbon in the canisters. The unit was turned back on January 29, 2008. The SVE system was again shut down June 28, 2008, for carbon exchange after break through in the third carbon canister (farthest from the influent pipe) was detected during normal weekly monitoring. The SVE system operated for all 92 days of the current quarter (2,208 hours). Approximately 167 pounds of VOCs were removed by the SVE system this quarter. The total of pounds of VOCs removed by SVE in 2008 is 3,308 pounds.

4.0) REGIONAL GEOLOGY/HYDROGEOLOGY

The site is located near the northern boundary of the Santa Fe Springs Plain within the Los Angeles Coastal Plain at an elevation of approximately 150 feet above mean sea level (msl). Surface sediments consist of fluvial deposits composed of interbedded gravel, sand, silt, and clay. Available data from California Water Resources Bulletin No. 104 (June 1961) indicate that the surface sediments may be Holocene and/or part of the upper Pleistocene Lakewood Formation, which ranges from 40- to 50 feet

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thick beneath the site. The Lakewood Formation has lateral lithologic changes with discontinuous permeable zones that vary in particle size. Stratified deposits of sand, silty sand, silt, and fine-grained gravel comprising the upper portion of the lower Pleistocene San Pedro Formation underlies the Lakewood Formation.

The site lies within the Central Basin Pressure area, a division of the Central Ground Water Basin, which extends over most of the Coastal Plain. The shallow (perched) groundwater occurs within the Lakewood Formation. The deeper groundwater occurs in the Hollydale aquifer, which is the uppermost regional aquifer in the Pleistocene San Pedro Formation. The major water-producing aquifers in the region are the Lynwood aquifer located approximately 200 feet bgs, the Silverado aquifer located at approximately 275 feet bgs, and the Sunnyside aquifer located at approximately 600 feet bgs.

5.0) SITE GEOLOGY/HYDROGEOLOGY

Based on the borings and CPT pushes, Shaw (2004) identified six distinct hydrostratigraphic units beneath the ACC site. Uppermost is an “overburden” unit comprised of a wide range of materials from fill to silty sands to clayey silts that is designated as “unit A”. Next is a well-defined clean sand (sometimes with gravel) unit designated as “unit B”. Following is a fine-grained predominantly silt zone designated as “unit C1” which is underlain by a coarser-grained silty sand zone named “unit D”. Next is the finest-grained unit observed, “unit C2”, which is predominantly a clayey silt that can be finer-grained (clay) at the top and coarser-grained (sandy silt) with depth. Finally, “unit E” is a clean coarse-grained sand (similar to unit B) that is considered the top of the regional aquifer system.

A perched water zone, which is currently dry, was identified within unit B. The regional aquifer zone from 50- to 80 feet bgs (referred as the A1 zone) is identified within unit E. A zone of saturation (referred as the “first water” zone) exists between the A1 and the perched water zone.

For this report, monitoring wells MW-13, -14, -15, -17, -20, and -21 are referred to as ‘upper A1 zone monitoring wells’ and MW-23, -24, and -25 as ‘lower A1 zone monitoring wells’. Monitoring wells MW-4, -6, -8, -9, -10, -11, -12, -16, -18, -19, -22, and -26 are noted as the ‘first water zone monitoring wells’. Monitoring wells MW-10, -11, and -22 have insufficient groundwater in them for sample collection. Wells MW-4, -6, 8, 18, and -26 are dry. Monitoring well MW-19 has product sheen in it and was not sampled this quarter.

The groundwater gradient historically has been to the southwest and northeast. On December 8, 2008 the first water elevations were measured to be at depths between 37.22 (MW-10 and -11) and 42.94 (MW-19) feet bgs (elevations of 112.41 and 106.69 feet above msl, respectively). A potentiometric groundwater contour map of the first

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water is included as **Figure 3**. The surface depicted in **Figure 3** is characterized as a northwest/southeast trending ridge of high groundwater, similar to those described in previous quarterly monitoring reports, which is centered mid-site. The southwestern flank of this ridge drops off steeply towards MW-18. Groundwater in the upper A1 zone was measured to be at depths between 50.45 (MW-17) and 53.94 (MW-15) feet bgs (elevations of 99.18 and 95.69 feet above msl, respectively). A potentiometric groundwater contour map of the upper A1 zone water is included as **Figure 4**. The planar piezometric surface defined in **Figure 4** dips to the southwest. Groundwater in the lower A1 zone was measured to be at depths between 49.43 (MW-23) and 54.02 (MW-25) feet bgs (elevations of 100.20 and 95.60 feet above msl, respectively). No potentiometric groundwater contour map was crafted for the lower A1 zone because there are only three data points to contour. Depths to groundwater in all zones and their respective elevations are presented in **Table 1**.

Hydrographs are included as **Figures 5 through 8** in this report. Groundwater elevations of both the first water and A1 zone tend to be higher in June and lower in December, suggesting a seasonal recharge in both hydrologic zones. This pattern appears to hold true with typical rainfall, but not for this monitoring period. Groundwater levels in all aquifers are falling, reflecting the lack of precipitation in the previous quarters. The overall average drop in groundwater in the first water wells averaged 1.84 feet. The northwest/southeast-trending ridge of higher groundwater elevation mid-site that has been consistently monitored for the past few periods persists (**Figure 3**). With the exception of MW-20 (in which groundwater fell 10.03 feet) the groundwater beneath the upper A1 wells fell an average of 3.05 feet. The drop in MW-20 is considered to be anomalous. CSI suspects that the measurement in the previous quarter was incorrect. The resulting piezometric surface in the upper A-1 aquifer continues to be dip to the southwest (see **Figure 4**), with MW-17 representing the highest groundwater beneath the ACC in this aquifer. Groundwater levels dropped in all lower A1 monitoring wells (MW-23, -24, and -25) by an average of 3.03 feet.

6.0) GROUNDWATER MONITORING PROTOCOL

The purpose of the current groundwater monitoring program is to provide data to the DTSC regarding the piezometric surface, water quality, and the presence of free product (FP), if any, on a quarterly basis. Groundwater monitoring consists of such activities as water level measurement, well sounding for detection of FP, collection of groundwater samples, field analysis, laboratory analysis, and reporting. The fieldwork was performed as follows.

The depth to groundwater was measured in each well using a decontaminated water-level indicator capable of a measurement to within 1/100th of a foot. Prior to, and following, collection of measurements from each well, the portion of the water-level indicator entering groundwater was decontaminated using a 3-stage decontamination procedure consisting of a potable wash with water containing Liquinox soap followed by a double-purified water rinse. The depth to water was measured in all monitoring wells

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before any of the wells were purged. Wells were measured, where practicable, in the order of least to the most contaminated based on past analyses. Otherwise the wells were sampled in the order of availability. For the ACC wells, the following order of gauging was followed this quarter: MW-4, -6, -8, -10, --11, 17, -16, -24, -23, -25, -9, -20, -14, -12, -15, -22, -21, -18, -19, -13, and 26.

The well box and casing were opened carefully to preclude debris or dirt from falling into the open casing. Once the well cap was removed, the water-level indicator was lowered into the well until a consistent tone was registered. Several soundings were repeated to verify the measured depth to groundwater. The depth of groundwater was measured from a reference point marked on the lip of each well casing. A licensed surveyor has surveyed the elevation of each reference point. The depth of groundwater was recorded on the field-sampling log for each well. Other relevant information such as physical condition of the well, presence of hydrocarbon odors, etc. was also recorded as appropriate on the field-sampling log.

The well sounder used for this project was equipped to measure free product (FP) layers thicker than 0.1 inches. FP was indicated as light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL).

Groundwater samples are analyzed quarterly for:

- Volatile Organic Compounds (VOCs) by EPA Method 8260B to include all Tentatively Identified Compounds (TICs).
- Total Petroleum Hydrocarbons - gasoline (TPH-gas) by EPA Method 8015M.

6.1) Well Sampling

The wells were sampled on December 8, 2008. Representatives from the Department of Toxic Substances Control (DTSC), Cypress, CA were invited to witness the procedure. All groundwater samples were collected in *Snap Samplers*TM. A Snap SamplerTM is a groundwater-sampling device that employs a double-opening 40 ml VOA vial. Each vial is sealed at depth under water by use of a remote trigger (a wire). The trigger releases an internal, PFA Teflon-coated, stainless steel spring that seals PTFE or PFA Teflon end-caps onto the bottle. The end-caps are designed to seal the water sample within the VOA vial with no headspace vapor. Once the closed vial is retrieved from the well, the bottle is prepared with standard septa screw caps and a label. All critical actions take place submerged in the well, away from weather, surface contamination, and off-gassing loss. The vial can be used directly in standard laboratory auto sampler equipment. The sample is never exposed to the open air from the well to the gas chromatograph.

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Sampling personnel wore new nitrile gloves at each well to prevent cross-contamination of the samples. A solvent-free label was affixed to each sample vial denoting the well identification, date, and time of sampling.

Groundwater samples were collected in the following order MW-17, -23, -16, -24, -9, -20, -14, -25, -15, -21, -13, and -12. Monitoring wells MW-4, -6, -8, -10, -11, -18, -22, and -26 had insufficient volumes of water for sampling or were dry. MW-19 has free product sheen in the well and was not sampled this quarter.

A duplicate sample, collected from monitoring well MW-14, and a trip blank, supplied by the lab, were submitted to the lab for quality assurance/quality control (QA/QC) purposes.

Analytical results are included in **Appendix B**.

6.2) Sample Handling

All groundwater and QA/QC samples were labeled and placed inside a cooler chilled to approximately 4°C with bagged ice prior to transport to Alpha Scientific Corporation, a laboratory certified by the California Department of Health Services (Cert. #2633). All samples were logged on the chain-of-custody forms immediately following sampling to insure proper tracking through analysis to the laboratory.

6.3) Waste Management

Free product (FP) and decontamination water are stored in sealed 55-gallon drums for a period not to exceed 90 days. Stored wastes will be profiled for hazardous constituents and characterized as Non-Hazardous, California Hazardous, or RCRA Hazardous, as appropriate. Any transportation of waste will be under appropriate manifest.

7.0) FREE PRODUCT

FP was identified as light non-aqueous phase liquid (LNAPL) in monitoring wells MW-18 and -19 (“sheens”). Each well that contains or has contained FP is tabulated as follows with the total amount of FP removed since each well was installed.

<u>Well ID</u>	<u>Total FP Removed (liters)</u>
• MW-4	0.04
• MW-6	15.165
• MW-8	26.49
• MW-10	14.751
• MW-16	0.93

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• MW-18	208.947
• MW-19	42.118
• MW-21	1.558
TOTAL	309.999

Laboratory analysis of FP was performed in October 2001 from MW-6, in June 2002 from MW-6 and MW-8, in December 2003 from MW-16 and MW-19, in March 2004 from MW-10, MW-18 and MW-19, and in September 2004 from MW-8, MW-10, and MW-19. Laboratory analysis results are presented in **Table 2**. Based on the results, the FP contained in MW-6 and MW-8 appears to be different from the FP contained in MW-10, MW-16, and MW-19 when comparing TPH-gas concentrations. Furthermore, the VOC analysis results indicate that FP from MW-10 and MW-18 were similar as compared to the FP from MW-19.

8.0) GROUNDWATER SAMPLE RESULTS

Groundwater samples collected from the first water zone monitoring wells MW-9, -12, and -16 in December 2008 contained dissolved total petroleum hydrocarbon as gasoline (TPH-gas) concentrations measured at -1,710; -60; and -9,330 µg/L, respectively. All first water zone wells sampled show decreases in the concentration of TPH-g this quarter. See **Table 3** and **Figure 9** for dissolved TPH-gas concentrations. Graphs of dissolved contaminant concentrations over time are provided in **Appendix B**.

Groundwater samples collected from the upper A1 zone monitoring wells MW-13, -14, -15, -17, -20, and -21 in December 2008 contained TPH-gas in concentrations measured at -269; -584; -1,160; -413; -283; and -3,110 µg/L, respectively. MW-13 and -15 show decreases in TPH-g concentration this quarter. The other wells show increases in this compound. All changes in the concentration of TPH-g in these wells are minor this quarter. See **Table 3** and **Figure 10** for dissolved TPH-gas concentrations.

Groundwater samples collected from the lower A1 zone monitoring wells MW-23, -24, and -25 in December 2007 contained TPH-gas in concentrations measured at -429; -215; and -381 µg/L, respectively. Only MW-23 shows a slight decrease in the concentration of TPH-g this quarter. The concentration of TPH-g went up in the other two wells screened in this aquifer. See **Table 3** for dissolved TPH-gas concentrations.

Concentrations of dissolved benzene, toluene, ethylbenzene, and (total) xylenes (BTEX) in the first water zone ranged from 42.8 µg/L in MW-16 to non-detect in MW-12 (See **Table 4** and **Figure 9** for dissolved BTEX concentrations). MW-10, which has historically had high concentrations of BTEX, did not contain enough groundwater in the well casing to obtain a sample. The first water zone contains benzene as the primary BTEX constituent this quarter. Contaminant graphs for benzene and toluene are provided in **Appendix B**.

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Dissolved BTEX in the upper A1 zone was detected in MW-21 -15, and -14 at concentrations of 71.1; 68.6; and 5.2 µg/L, respectively. Xylene is the primary constituent of the upper A-1 zone this quarter (See **Tables 4 and 5** and **Figure 10** for dissolved BTEX concentrations).

The lower A1 zone monitoring wells MW-23, -24, and -25 continue to show no detectable concentrations of dissolved BTEX (less than 1.0 µg/L).

Dissolved perchloroethylene (PCE) was identified in the first water zone at a maximum concentration of 93.1 µg/L in MW-9. Dissolved Trichloroethylene (TCE) was identified at a maximum of 382 µg/L in MW-16 in the first water zone (See **Figure 11**). Historically, dissolved contaminant graphs show relatively consistent dissolved PCE and TCE concentrations from first water wells except for MW-26 where concentrations fluctuate greatly. Maximum concentrations of dissolved PCE and TCE in the upper A1 zone were determined to be 194 µg/L in MW-13 and 110 µg/L in MW-17 (See **Figure 12**). The lower A1 zone contained maximum concentrations of dissolved PCE of 186 µg/L in MW-23 and dissolved TCE of 118 µg/L in MW-25. Wells in the upper and lower A1 zones fluctuated very slightly in dissolved PCE and TCE concentrations this quarter as compared to the previous quarter (See **Appendix B**).

Dissolved concentrations of 1,1,1-Trichloroethane (1,1,1-TCA) was not detected in any of the first water zone wells above the detection level of 2 µg/L. Dissolved 1,1,1-TCA is at a maximum of 48.4 µg/L in MW-21 and < 2.0 µg/L in the remainder of the upper A1 zone (See **Figure 12**). 1,1,1-TCA was not detected above the detection level of 2.0 µg/L in any of the lower A1 wells this period.

Groundwater samples were also analyzed for 1,4-Dioxane, a preservative used in 1,1,1-TCA to prolong its shelf life. However, 1,4-Dioxane is more soluble in groundwater than 1,1,1-TCA and will often lead the dissolved 1,1,1-TCA plume. First water zone monitoring wells that contained concentrations of dissolved 1,4-Dioxane were MW-9 (11,200 µg/L) and MW-16 (9,110 µg/L). The remaining well sampled in this zone (MW-12) had a concentration of 1,4-Dioxane less than the detection limit of 50 µg/L. Upper A1 zone monitoring wells MW-15 (624 µg/L), MW-13 (583 µg/L), and MW-14 (342 µg/L) had concentrations of dissolved 1,4-Dioxane detected in them. The remaining wells in this zone had concentrations less than 50 µg/L (MW-17, -20, and -21). Dissolved concentrations of 1,4-Dioxane were not detected in the lower A1 zone monitoring wells above the detection limit of 50 µg/L.

Concentrations of dissolved chlorinated VOC daughter products were relatively elevated compared to their respective parent VOCs identified above and also showed a trend of higher dissolved concentrations in the first water zone compared to the deeper A1 zone.

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1,1-Dichloroethane (1,1-DCA) is a daughter product from reductive dehalogenation of 1,1,1-TCA. Dissolved 1,1-DCA concentrations were detected in almost every monitoring well sampled. Concentrations of 1,1-DCA were detected between 3,500 µg/L (MW-16) and 996 µg/L (MW-9) in the first water zone (See **Figure 11**). Dissolved 1,1-DCA concentrations in the upper A1 zone ranged between 2,320 µg/L (MW-21) and <1.0 µg/L in MW-13 and -17 (See **Figure 12**). Dissolved 1,1-DCA was detected at concentrations of 1.1J µg/L in MW-25 and <1.0 µg/L in MW-24.

Dissolved 1,1-Dichloroethylene (1,1-DCE), a daughter product of the dehydrohalogenation of 1,1,1-Trichloroethane (1,1,1-TCA) and reductive dehalogenation of TCE, was detected in the first water zone at concentrations ranging from 2,040 µg/L (MW-16) to <2.0 µg/L (MW-12, see **Figure 11**). MW-9 (842 µg/L) also had a significant concentration of 1,1-DCE in the first water zone. Dissolved 1,1-DCE concentrations in the upper A1 zone ranged between 629 µg/L (MW-21) and 9.8 µg/L (MW-13, see **Figure 12**). Dissolved 1,1-DCE was detected in the lower A1 zone at concentrations of 71.8 µg/L (MW-25), 64.1 µg/L (MW-23), and 20.2 µg/L (MW-24). Historically, dissolved concentrations of 1,1-DCE fluctuate in all zones with no observable pattern (See **Appendix B**).

Cis-1,2-Dichloroethylene (cis 1,2-DCE) is also a daughter product of the dehydrohalogenation of 1,1,1-TCA and reductive dehalogenation of TCE. Concentrations of dissolved cis-1,2-DCE were detected in the first water zone between 3,230 µg/L (MW-16) and 3.2J µg/L (MW-12, see **Figure 11**). Dissolved cis-1,2-DCE concentrations in the upper A1 zone ranged from 1,420 µg/L (MW-21) to 4.5J µg/L (MW-17, see **Figure 12**). Dissolved cis-1,2-DCE in the lower A1 zone was detected between 8.7 µg/L (MW-23) and 5.9 µg/L (MW-24). Historically, dissolved concentrations of cis 1,2-DCE fluctuate in all zones with no observable pattern (See **Appendix B**).

Vinyl chloride (VC) is a by-product from the dehydrohalogenation and reductive dehalogenation of the chlorinated VOC daughter products mentioned above. Similar to the other VOCs, concentrations of dissolved VC were at lower concentrations in the deeper A1 zone than in the first water zone. Dissolved VC concentrations were detected in the first water zone between 664 µg/L (in MW-16) and 3.3 µg/L (MW-12, see **Figure 11**). Dissolved VC concentrations in the upper A1 zone ranged from 354 µg/L (MW-21) to <1.0 µg/L (MW-13, -17 and -20, see **Figure 12**). Dissolved VC was not detected (<1.0 µg/L) in the lower A1 zone. The A1 zone wells showed fluctuations of dissolved VC concentrations with no discernable pattern over time.

Methylene chloride is a common laboratory solvent and often is reported in laboratory data. Dissolved methylene chloride was not detected in wells this quarter.

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Dissolved acetone was not reported above the detection limit of 5 µg/L in any wells sampled this quarter. Dissolved 2-Butanone (MEK) was not detected above the detection limit of 5 µg/L in any wells sampled this quarter. 4-Methyl-2-pentanone (MIBK) was not reported above the detection limit of 5 µg/L in any wells tested this quarter. Historically, dissolved concentrations of acetone, MEK, and MIBK, when present, fluctuate with no observable pattern (See **Appendix B**).

All groundwater laboratory analytical reports for this quarterly groundwater-monitoring episode are included as **Appendix C**.

9.0) CONCLUSIONS

Groundwater elevations dropped in every groundwater monitoring well gauged this quarter. Groundwater elevations in the first water zone wells dropped an average of 1.84 feet. Groundwater elevations in both A1 zones dropped on average of more than three feet. First water wells MW-4, -6, -8, 10, -11, -18, and -22 were found to have no water in them. MW-11 and -26 did not have sufficient water in the well casing to obtain a representative sample. In the absence of significant precipitation (resulting in aquifer recharge) over the previous few quarters, the first water aquifer is clearly dewatering.

The pattern created by dropping groundwater levels in the first water zone (see **Figure 3**) has created a northwest/southeast trending ridge of “high” groundwater centered mid-site, as described in previous quarter monitoring reports. The southwestern flank of this ridge drops off to the southwest. Monitoring wells at the base of this flank (MW-18, -22, and -26) were dry this quarter. Contoured groundwater elevations from upper A1 zone monitoring wells show a planar piezometric surface dipping to the southwest (see **Figure 4**).

Results of laboratory analyses show that the Site continues to be impacted by LNAPL in the first water zone monitoring wells MW-18 and -19 (a sheen and odor). Elevated dissolved-phase VOCs were identified in first water zone monitoring wells MW-9, -12, and -16.

In the upper A1 zone, dissolved-phase VOCs were identified in monitoring wells MW-13, -14, -15, -17, -20, and -21. Concentrations of dissolved-phase VOCs continue to fluctuate with groundwater elevations. Dissolved VOC concentrations in the upper A1 zone are orders of magnitude lower than those in the first water zone.

Concentrations of TPH-g, BTEX, and VOCs in all water zones show statistical similarities with the previous sampling event (3rd Q 2008).

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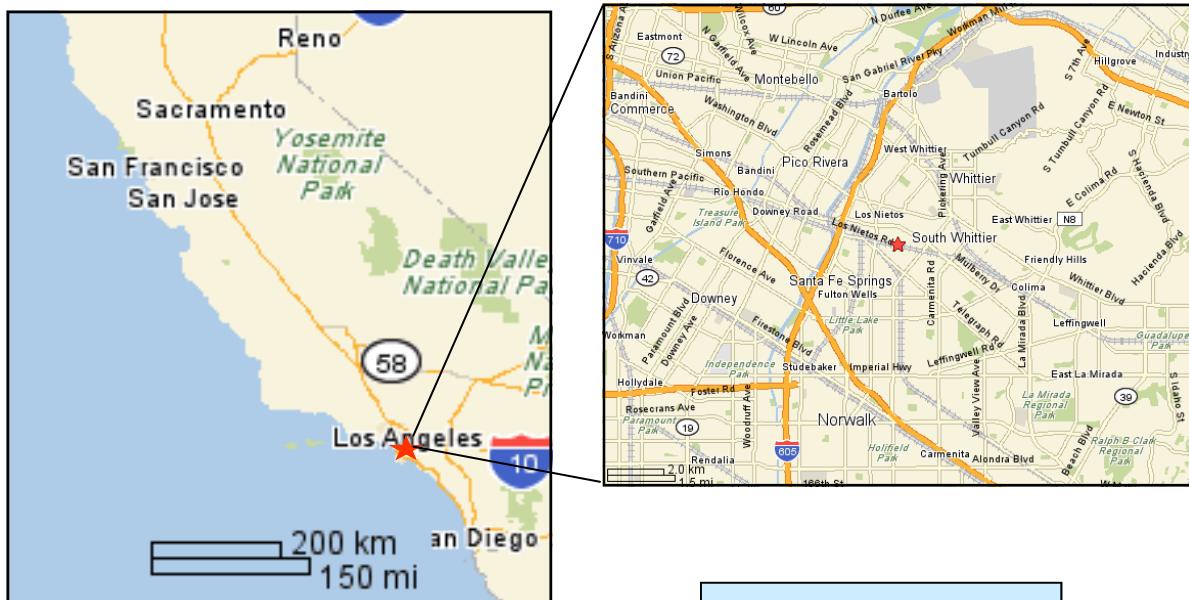
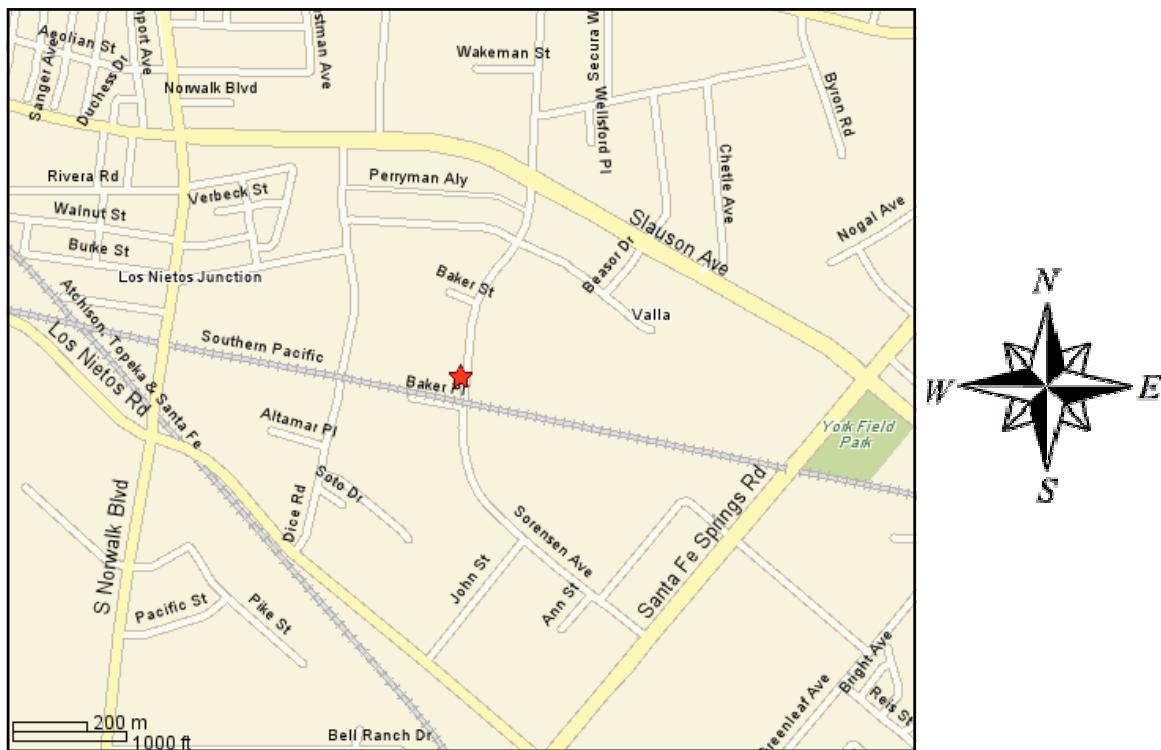
support that the site is experiencing intrinsic biodegradation. Daughter VOC constituents such as 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and VC were detected at dissolved concentrations up to 9,434 µg/L (in first water zone well MW-16). The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator of intrinsic biodegradation.

10.0) RECOMMENDATIONS

Clean Soil Inc. recommends the following:

- Continued quarterly groundwater monitoring for VOCs and TPH-gas
- Continued free product removal on a monthly basis
- Continued SVE (carbon-based operations began in October 2007)

FIGURES



Clean Soil, Inc.
P.O. Box 1381
Lomita, CA 90717

Site Location Map
Former Angeles Chemical Company
8915 Sorensen Ave., Santa Fe Springs, CA 90670

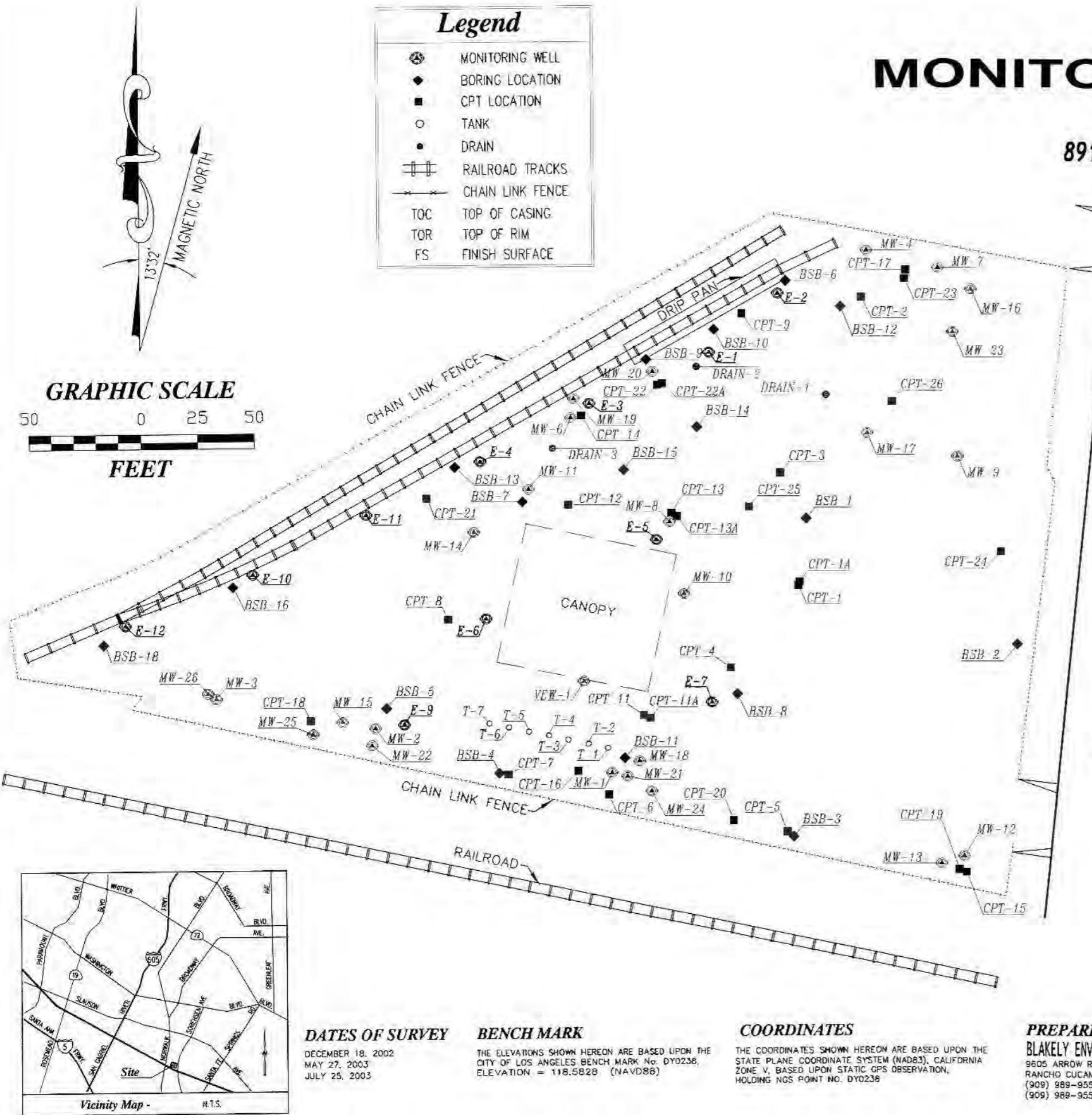
FIGURE
1

FIGURE 2

MONITORING WELL LOCATIONS

FORMER ANGELES CHEMICAL CO.

8915 SORENSEN AVENUE, SANTA FE SPRINGS, CA 90670



MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	NG (ELEVATION)
VIEW-1	1807355.04	6542521.64	149.89	150.20	150.19	
MW-1	1807314.87	6542534.25			150.43	
MW-2	1807333.80	6542429.89	150.42	150.87	150.82	
MW-3	1807346.37	6542359.32	150.79	151.20	151.12	
MW-4	1807345.62	6542645.37	148.27	148.97	148.79	
MW-6	1807471.20	6542515.25	149.39	149.57		149.58
MW-7	1807537.94	6542676.85	148.62	148.94	148.96	
MW-8	1807425.51	6542558.80	149.63	150.00	149.97	
MW-9	1807454.48	6542696.12	149.16	149.40	149.35	
MW-10	1807393.85	6542565.31	149.41	149.91		149.33
MW-11	1807439.71	6542496.73	149.12	149.87		149.41
MW-12	1807278.03	6542690.00	150.09	150.46	150.40	
MW-13	1807274.77	6542679.87	150.22	150.54	150.47	
MW-14	1807420.66	6542472.42	150.66	151.01	150.93	
MW-15	1807336.40	6542415.51	150.60	150.94	150.86	
MW-16	1807528.58	6542681.54	148.32	149.73	148.85	
MW-17	1807465.01	6542646.05	149.03	149.37	149.32	
MW-18	1807319.84	6542546.37	149.83	150.29		150.03
MW-19	1807479.88	6542516.45	149.20	149.81		149.64
MW-20	1807491.81	6542551.27	149.14	149.59	149.32	
MW-21	1807312.93	6542504.98	150.02	150.31	150.25	

NOTE:
MW-1 ABANDONED

BORING LOCATION			
BORING	NORTH	EAST	ELEVATION
BSB-1	1807427.49	6542619.40	149.39
BSB-2	1807371.72	6542713.07	149.60
BSB-3	1807286.76	6542614.74	150.47
BSB-4	1807314.44	6542484.53	150.86
BSB-5	1807342.93	6542434.75	150.89
BSB-6	1807532.47	6542609.80	149.53
BSB-7	1807434.40	6542494.13	149.48
BSB-8	1807349.73	6542689.33	149.82
BSB-9	1807497.41	6542546.37	149.72
BSB-10	1807510.81	6542578.05	149.47
BSB-11	1807321.16	6542540.03	150.11
BSB-12	1807521.18	6542634.08	148.73
BSB-13	1807449.49	6542463.97	149.56
BSB-14	1807467.59	6542570.90	149.50
BSB-15	1807448.74	6542538.69	149.64
BSB-16	1807396.27	6542366.39	150.00



SURVEYED: MAY 27, 2003

MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	NG (ELEVATION)
E-1	1807500.70	6542575.93	148.89	149.17		
E-2	1807527.00	6542606.37	148.75	149.31		
E-3	1807478.00	6542523.40	149.15	149.43		
E-4	1807452.12	6542475.18	149.13	149.35		
E-5	1807417.93	6542653.23	149.51	149.99		
E-6	1807382.72	6542478.20	150.09	150.33		
E-7	1807346.09	6542578.05	149.81	149.83		
E-9	1807335.77	6542442.42	149.71	150.61		
E-10	1807401.97	6542375.29	148.81	149.85		
E-11	1807379.04	6542319.30	149.01	149.81		
E-12	1807428.32	6542425.21	149.23	150.07		

SURVEYED: JULY 25, 2003

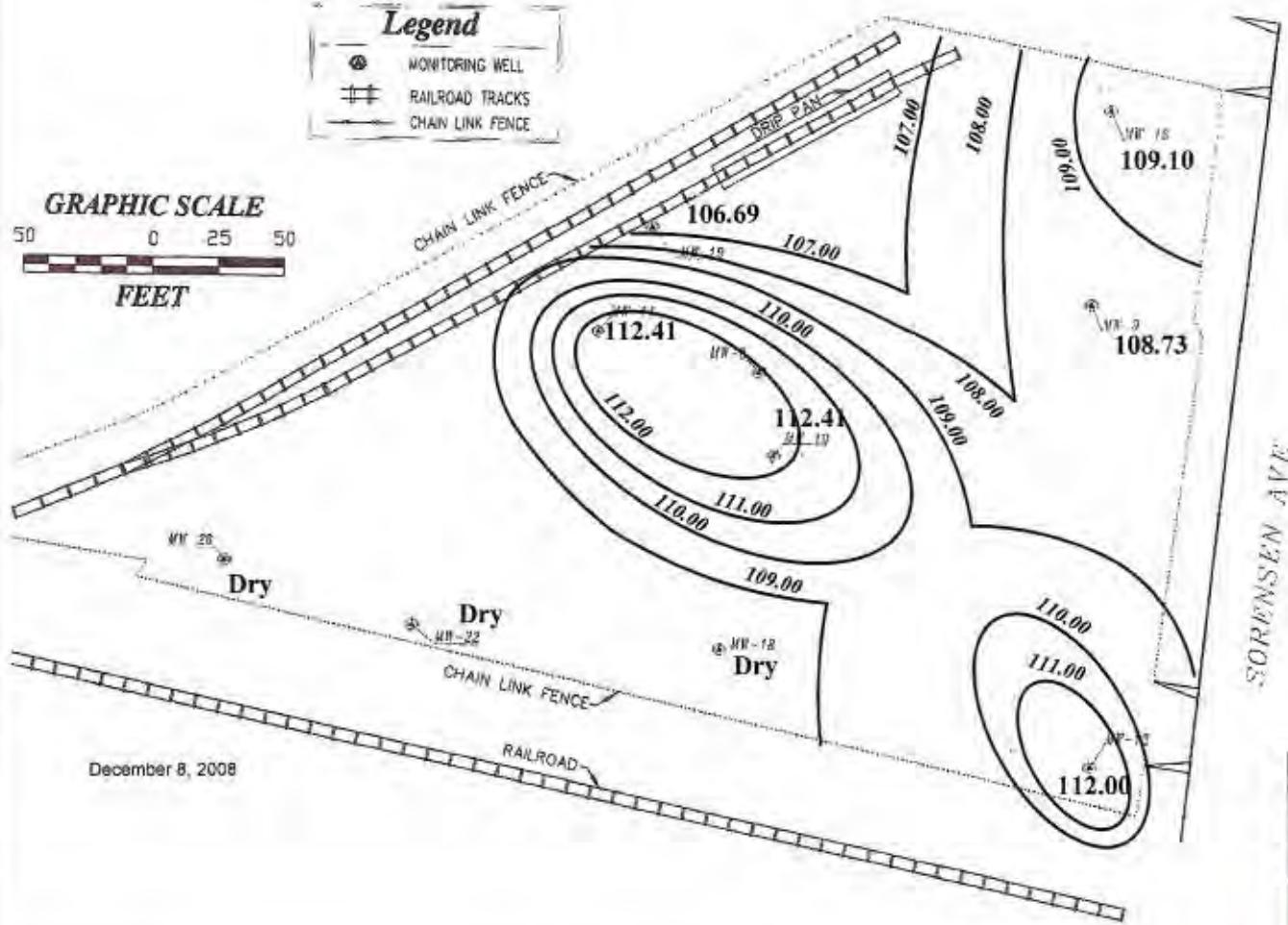
MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	NG (ELEVATION)
MW-22	1807326.51	6542428.35	150.67	150.90	150.89	
MW-23	1807510.02	6542883.65	148.42	148.95	148.89	
MW-24	1807306.78	6542551.71	149.90	150.33	150.25	
MW-25	1807331.43	6542402.38	150.84	151.05	151.04	
MW-26	1807349.30	6542355.86	150.83	151.04	151.02	

SURVEYED: JULY 25, 2003

BORING LOCATION						
BORING	NORTH	EAST	ELEVATION			
BSB-18	1807396.50	6542366.10	150.02			

NO.	DATE	REVISIONS	BY
0	12-23-02	SUBMITTAL	DG
1	05-30-03 ADD WELLS E-1-E-7,E-9,E-11,E-12	BK	
2	07-25-03 ADD MW-22 THROUGH MW-26 & BSB-18	DG	

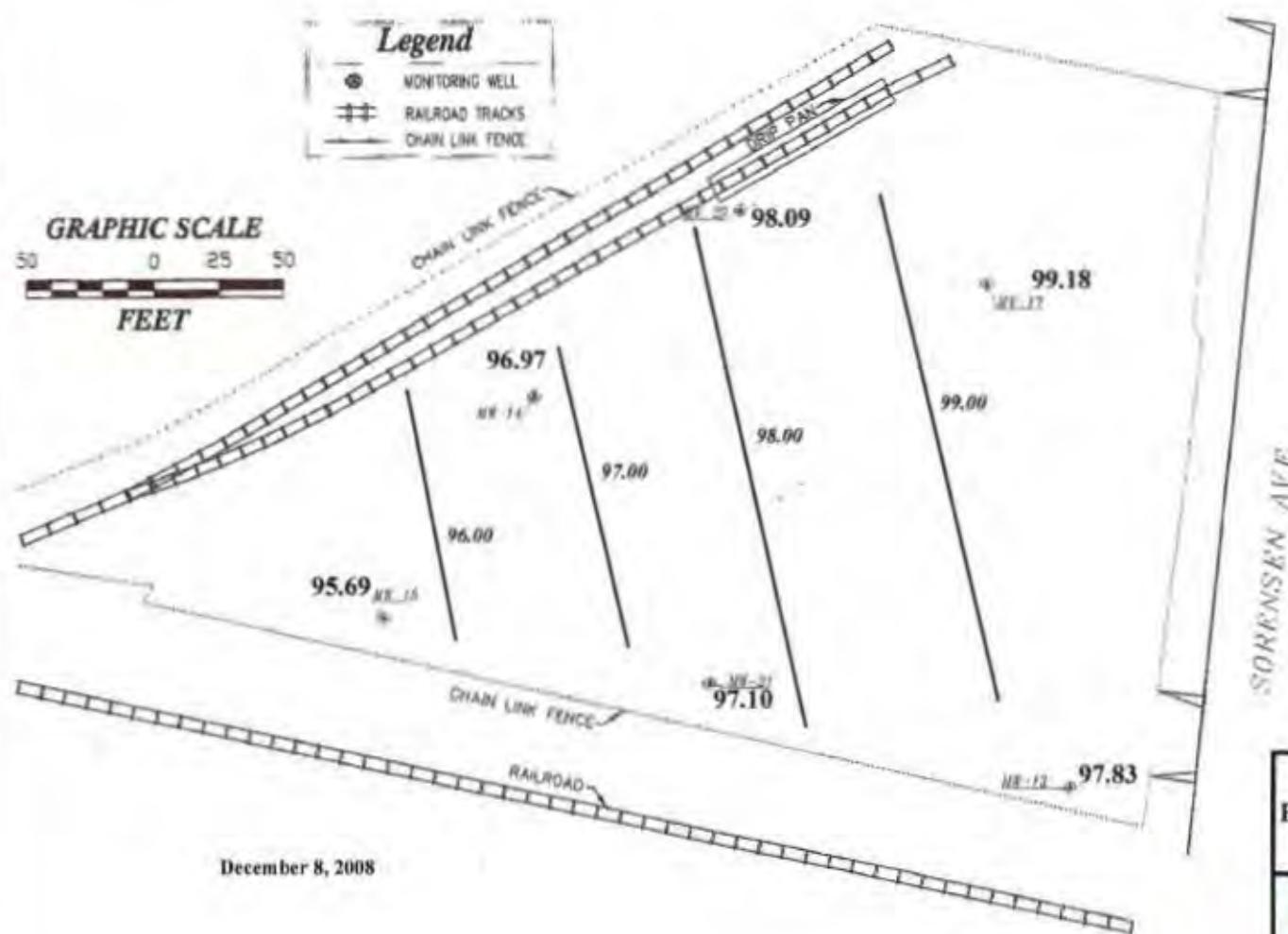
CALVADA
SURVEYING, INC.
Los Angeles • San Francisco • Denver • Phoenix
108 Business Center Drive Phone: (908) 280-9960
Corona, CA 92880-1782 Fax: (908) 280-9746
www.calvada.com • (800) CALVADA (225-8232)
JOB NO. D2391-R2
SHEET 1 OF 1



First Water Groundwater Elevation Contour Map (feet above mean sea level)



FIGURE 3



December 8, 2008

Upper A1 Zone Groundwater Elevation Contour Map (feet above mean sea level)



FIGURE 4

Figure 5: First Water Groundwater Elevations from Central and Northern Wells

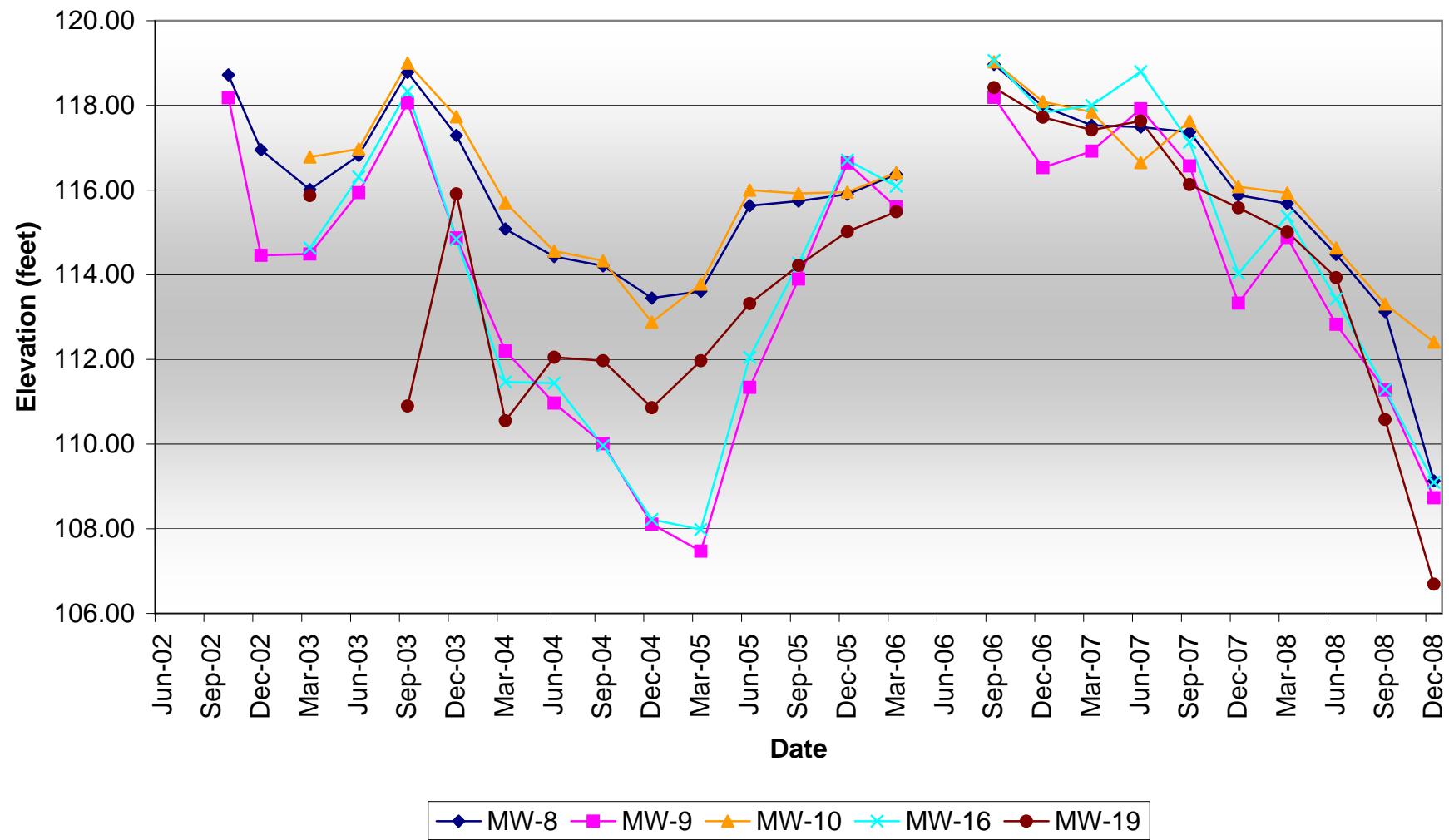


Figure 6: First Water Groundwater Elevations from Southern Wells

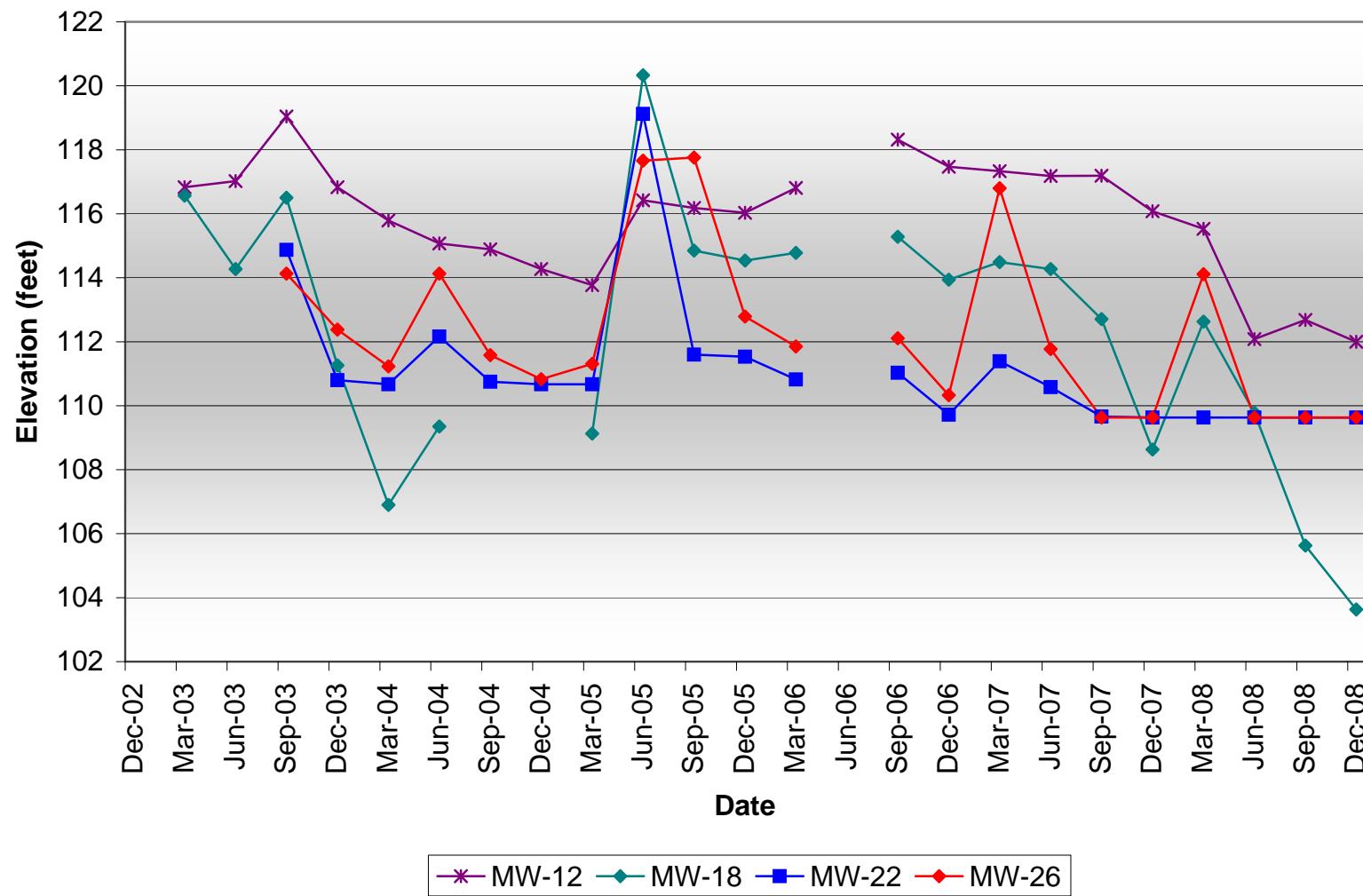


Figure 7: Upper A1 Groundwater Elevations

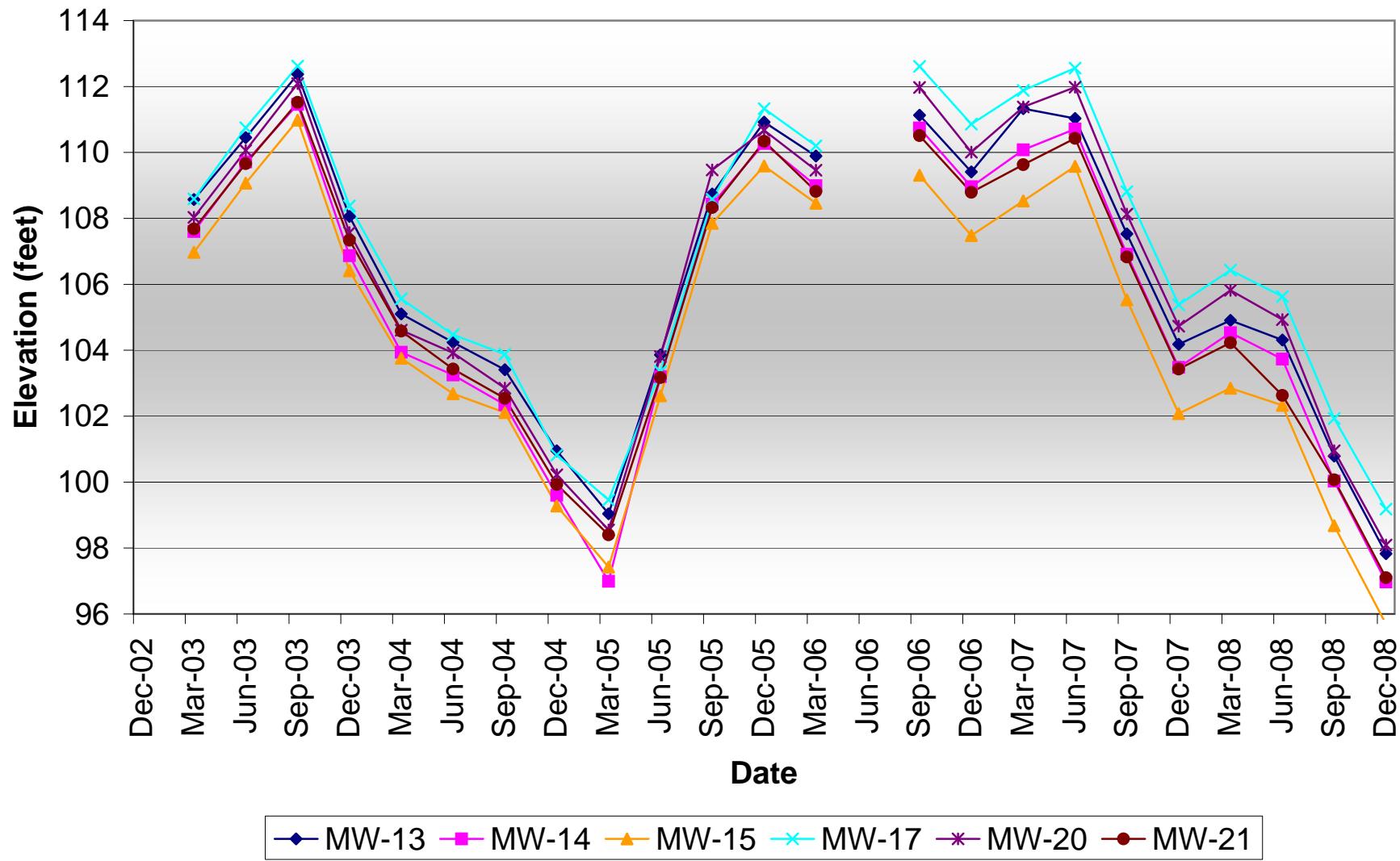
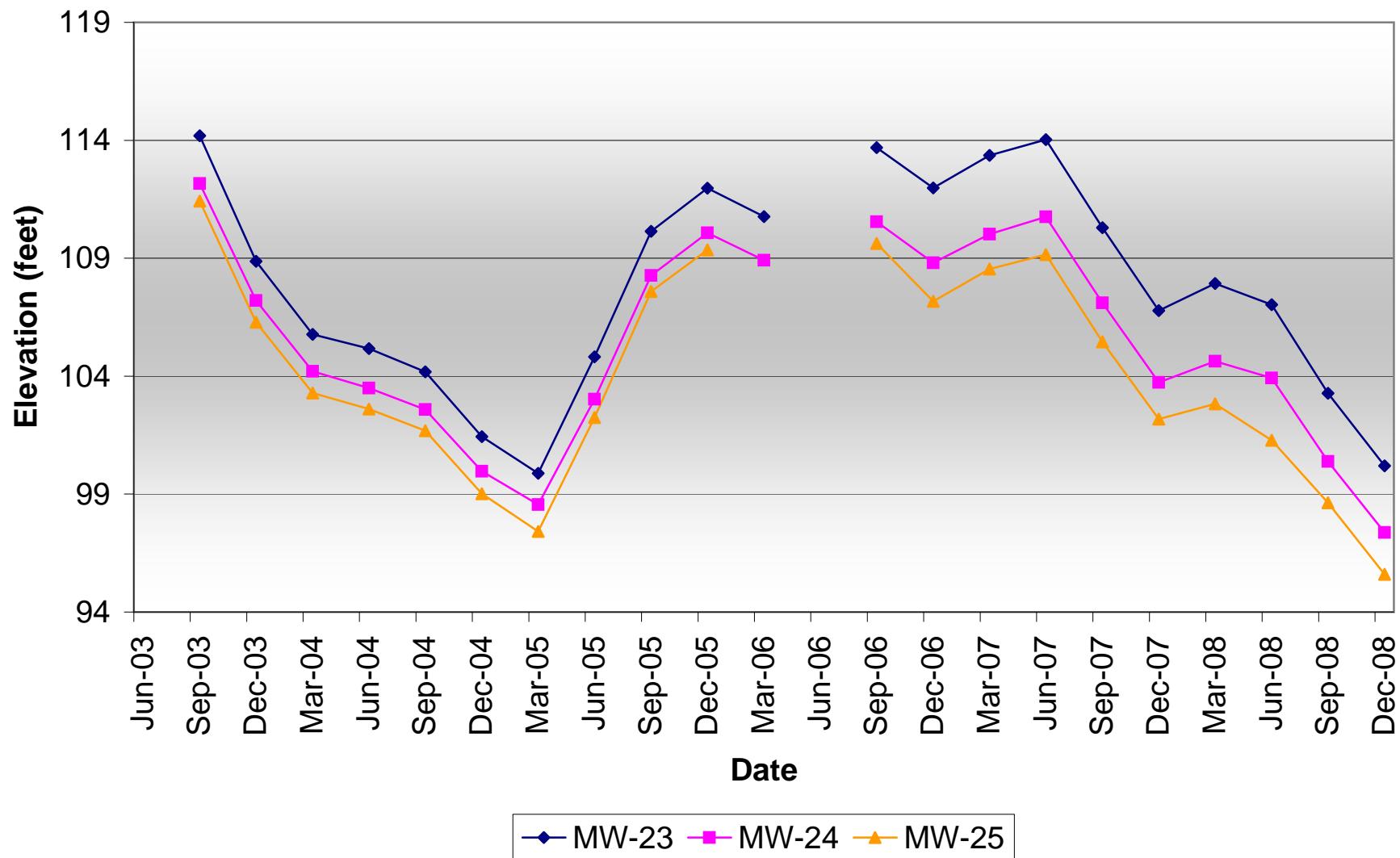
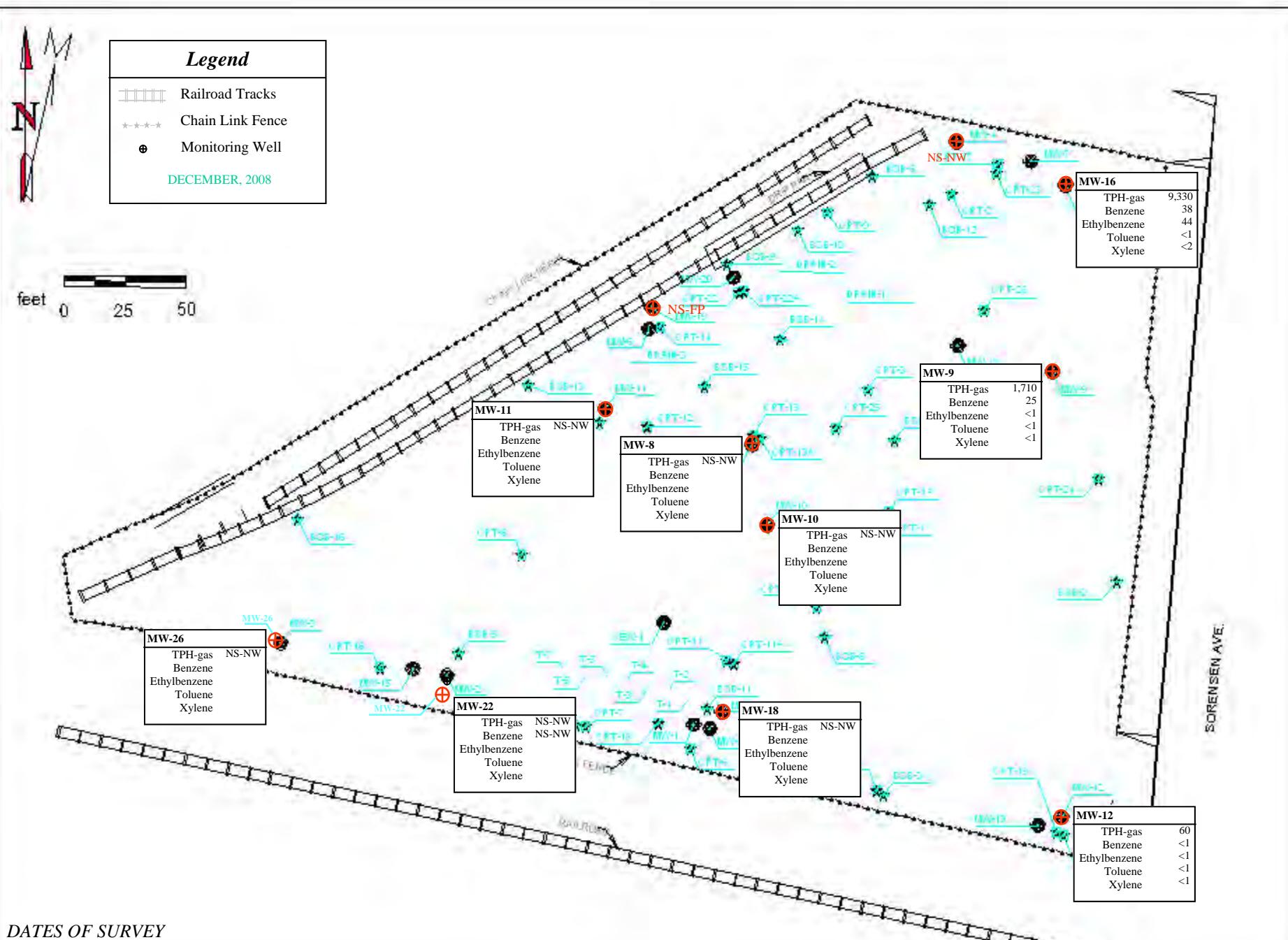


Figure 8: Lower A1 Groundwater Elevations





DATES OF SURVEY

DECEMBER 18, 2002

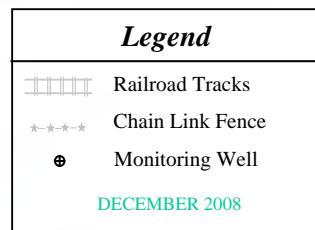
MAY 27, 2003

JULY 25, 2003

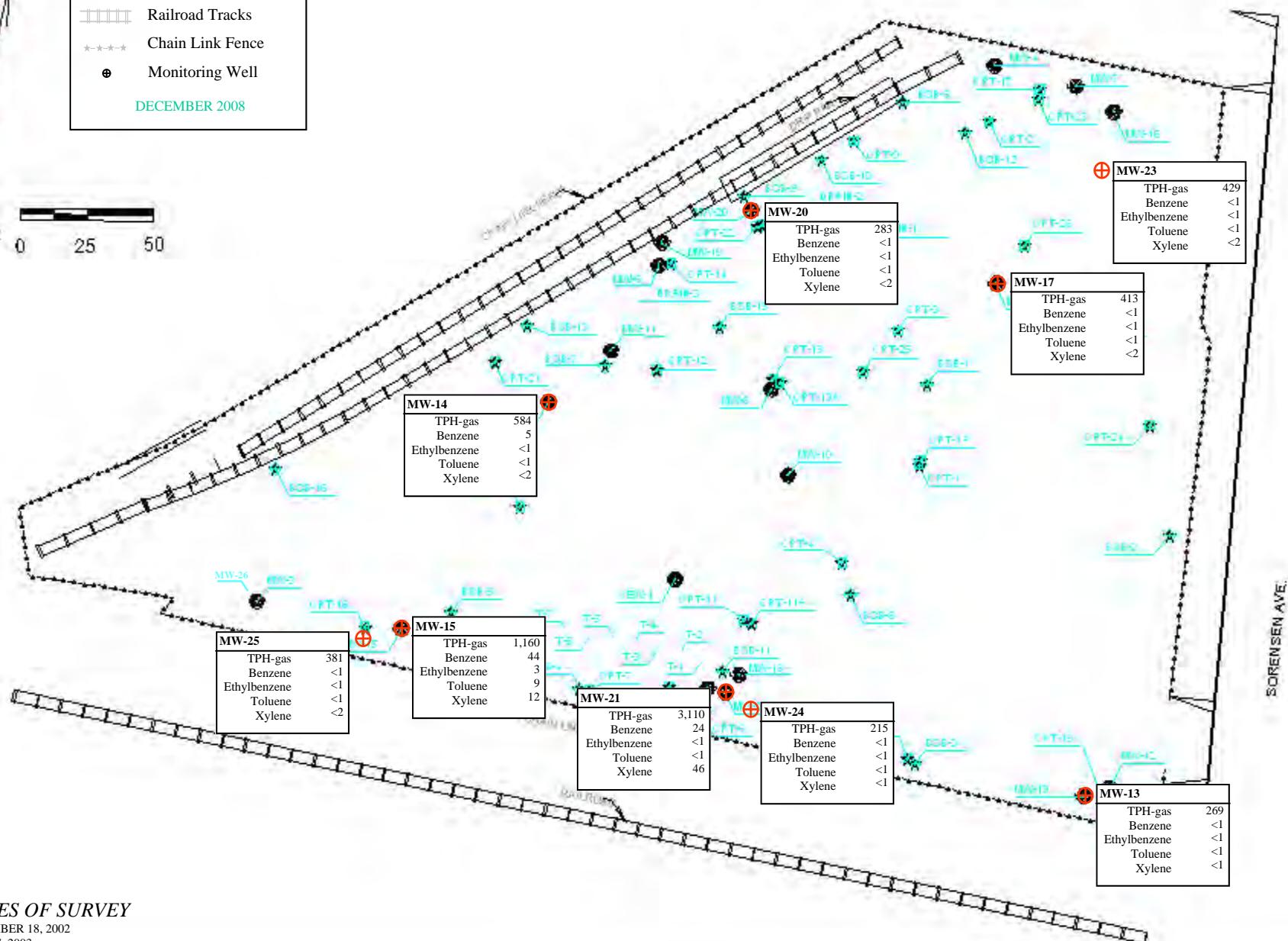
Prepared by
Clean Soil, Inc.
23811 Washington Avenue Suite 241
Murrieta, CA 92562

TPH-gas and BTEX Concentrations in First Water ($\mu\text{g/L}$)

FIGURE 9



feet
0 25 50



DATES OF SURVEY

DECEMBER 18, 2002

MAY 27, 2003

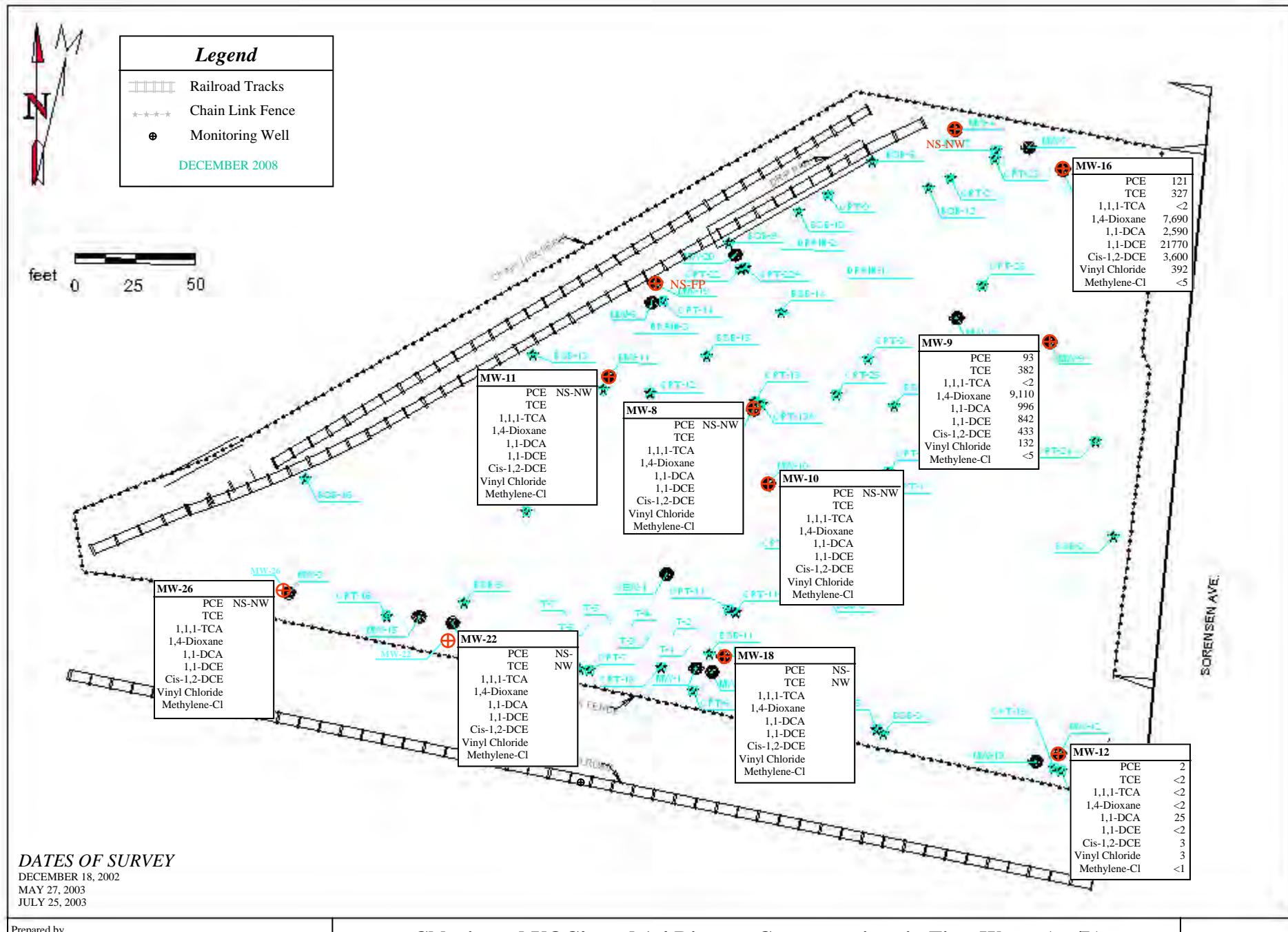
JULY 25, 2003

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Murrieta, CA 92562

TPH-gas and BTEX Concentrations in Upper and Lower A1 Zones ($\mu\text{g/L}$)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

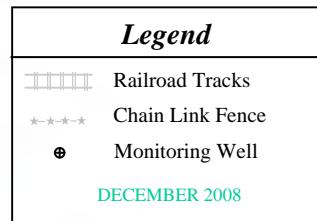
FIGURE
10



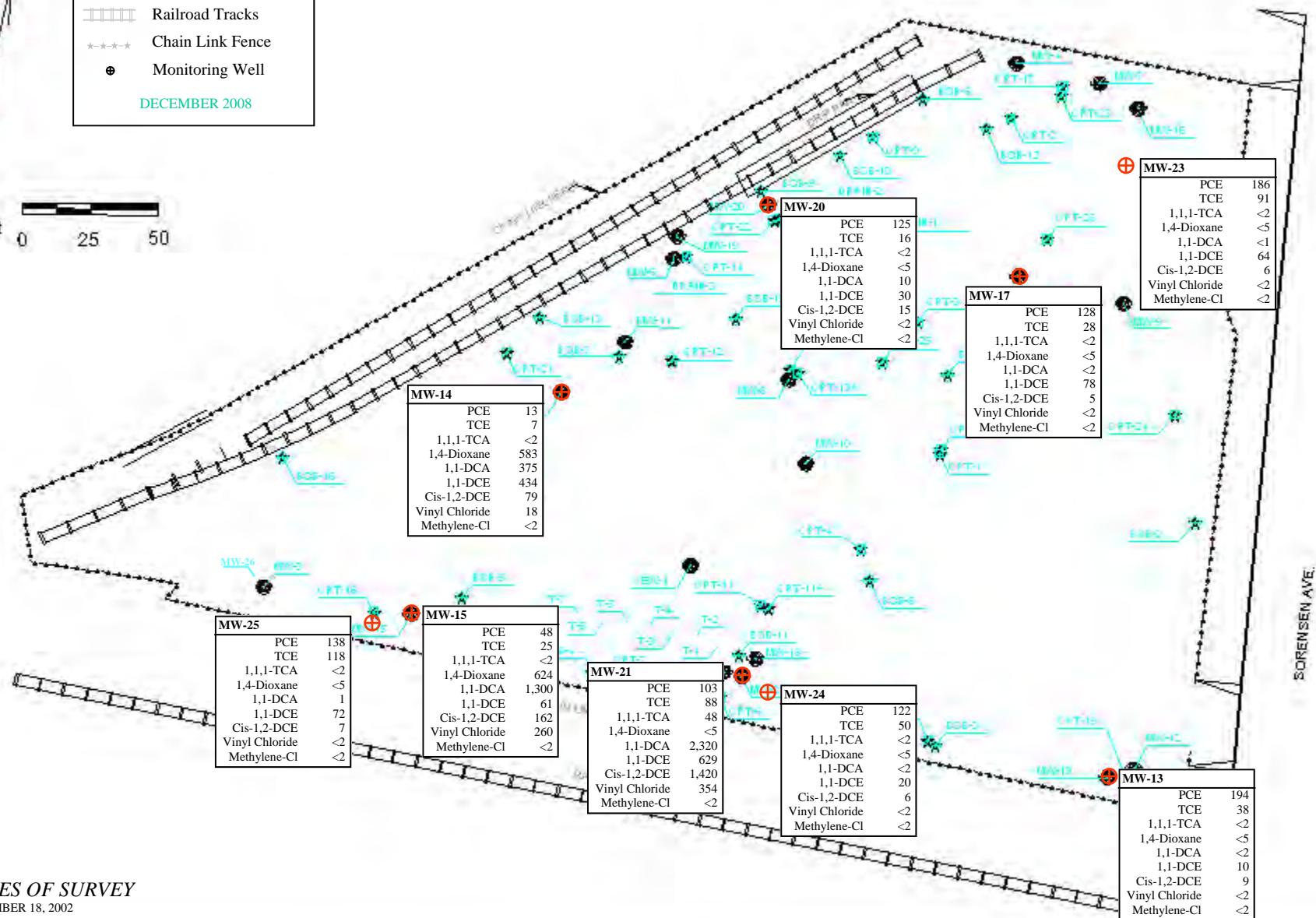
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Murrieta, CA 92562

Chlorinated VOC's and 1,4 Dioxane Concentrations in First Water (µg/L)
Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE
11



feet
0 25 50



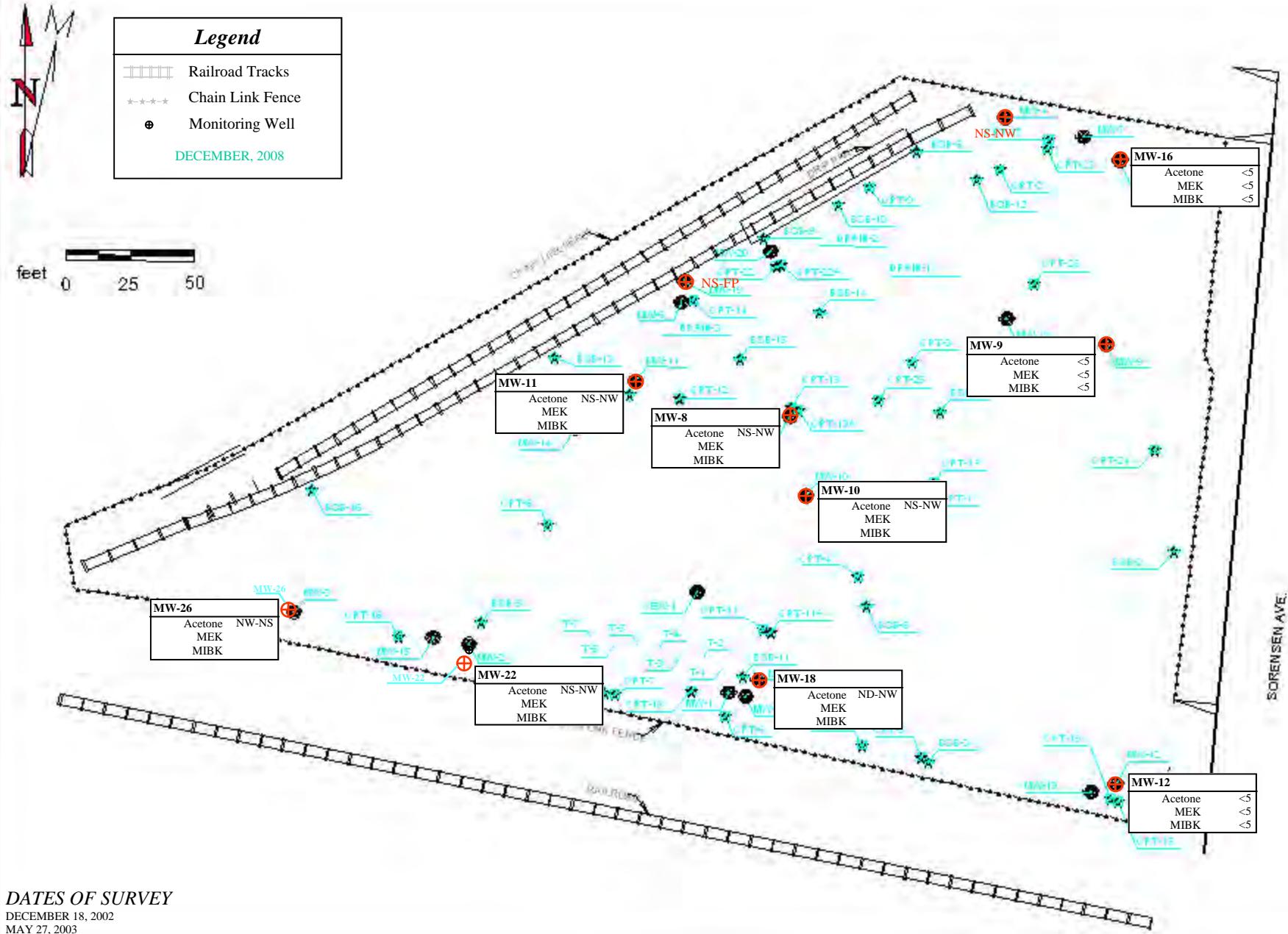
DATES OF SURVEY
 DECEMBER 18, 2002
 MAY 27, 2003
 JULY 25, 2003

Prepared by
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 Murrieta, CA 92562

Chlorinated VOC's and 1,4 Dioxane Concentrations in Upper and Lower A1 Zones ($\mu\text{g/L}$)

Former Angeles Chemical Company, 8915 Sorenson Ave., Santa Fe Springs, CA 90670

**FIGURE
12**



DATES OF SURVEY

DECEMBER 18, 2002

MAY 27, 2003

JULY 25, 2003

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Acetone, MEK and MIBK Concentrations in First Water ($\mu\text{g/L}$)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

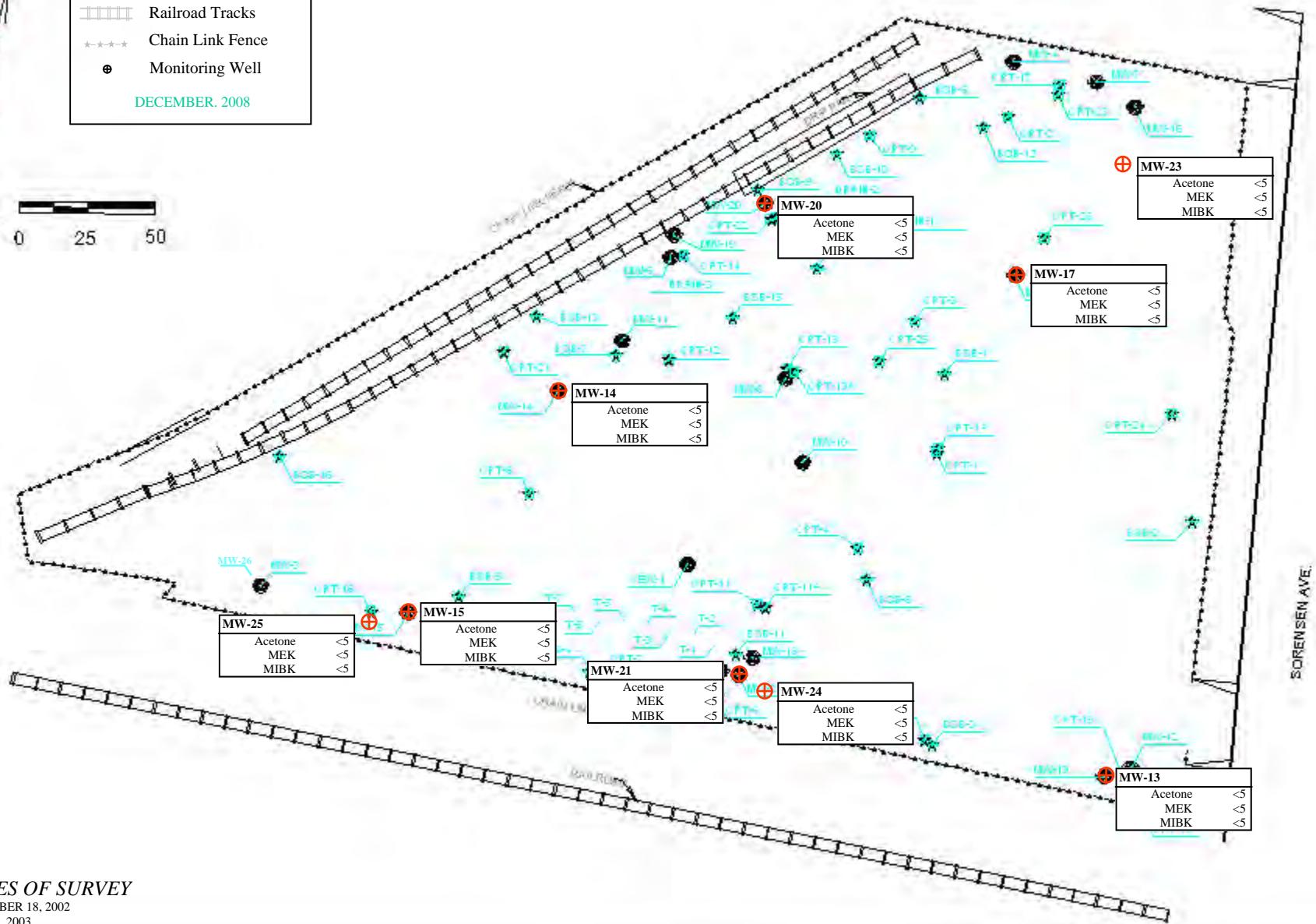
FIGURE
13



Legend	
Railroad Tracks	
Chain Link Fence	*-*-*-*
Monitoring Well	●

DECEMBER, 2008

feet
0 25 50



DATES OF SURVEY

DECEMBER 18, 2002
MAY 27, 2003
JULY 25, 2003

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Murrieta, CA 92562

Acetone, MEK and MIBK Concentrations in Upper and Lower A1 Zones ($\mu\text{g/L}$)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE
14

TABLES

Table 1: Well and Screen Elevations and Groundwater Depths to Water and Elevations (in feet)

	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
Well Elevation (TOC)		NA	150.42	150.79	148.27	149.39	148.62	149.63	149.16	149.41	149.12	150.09	150.22	150.66	150.60	148.32	149.03	149.63	149.20	149.14	150.02	150.67	148.42	149.90	150.64	150.83		
Screened Interval (bg)	40 - 60	30 - 50	29 - 49	17 - 27	20 - 30	34 - 55	30.5-40.5	30.5-45.5	25 - 40	30 - 40	52 - 62	55 - 65	54 - 64	29 - 46	56 - 66	21 - 46	30 - 45	57 - 67	53 - 63	30 - 40	71 - 81	67 - 77	71 - 81	30 - 40				
Screen Elevation																												
Top	NA	120.42	121.79	131.27	129.39	114.62	119.13	118.66	124.41	119.12	120.09	98.22	95.66	96.60	119.32	93.03	128.63	119.20	92.14	97.02	120.67	77.42	82.90	79.64	120.83			
Bottom	NA	100.42	101.79	121.27	119.39	93.62	109.13	103.66	109.41	109.12	110.09	88.22	85.66	86.60	102.32	83.03	103.63	104.20	82.14	87.02	110.67	67.42	72.90	69.64	110.83			
		20.00	20.00	10.00	10.00	21.00	10.00	15.00	15.00	10.00	10.00	10.00	10.00	10.00	10.00	17.00	10.00	25.00	15.00	10.00	10.00	10.00	10.00	10.00	10.00			
Depth to Water (bg)																												
2/1/1994	30.05'	28.80	29.70	23.35	24.85	24.53																						
11/1/2000	35.62'	35.25	36.42	26.20	28.52	28.19																						
10/1/2001	37.41'	37.91	39.19	26.35	NA	28.70																						
11/15/2001	NA	NA	NA	26.36	28.85	NA																						
2/15/2002	36.2'	36.39	37.39	26.44	30.32	29.21																						
6/14/2002	37.92'	38.75	39.19	26.46	NA	30.07	30.91	30.98																				
10/7/2002	42.45'	43.66	44.66	26.48	30.28	34.11	32.68	34.70																				
12/17/2002	NA	43.19	44.22	26.28	FP only	34.03	33.62	34.67	32.63	32.71	33.26	41.65	43.06	43.63	33.69	40.44	33.06	33.33	41.11	42.34								
3/10/2003	NA	41.07	41.35	26.36	FP only	33.18	32.81	33.22	32.44	32.49	33.07	39.77	40.95	41.53	32.01	38.28	35.36	33.42	39.08	40.36								
6/9/2003	NA	39.98	39.95	26.35	FP only	30.44	30.85	31.10	30.41	30.15	31.05	37.85	39.20	39.62	29.99	36.41	33.13	38.30	37.05	38.50	35.80	34.23	37.73	39.22	36.70			
9/9/2003	NA	NA	NA	26.41	FP only	NA	32.34	34.29	31.68	31.84	33.26	42.16	43.79	44.19	33.48	40.65	38.37	33.29	41.57	42.68	39.87	39.55	42.69	44.35	38.45			
12/9/2003	NA	NA	NA	26.39	FP only	NA	34.55	36.96	33.71	33.73	34.30	45.12	46.72	46.84	36.85	43.47	42.73	38.65	44.53	45.44	Dry	42.65	45.69	47.35	39.60			
3/18/2004	NA	NA	NA	26.41	FP only	NA	35.20	38.19	34.85	34.36	35.02	45.98	47.41	47.92	36.88	44.56	40.28	37.15	45.22	46.59	38.51	43.25	46.41	48.03	36.70			
6/4/2004	NA	NA	NA	26.40	FP only	NA	35.42	39.15	35.08	35.38	35.20	46.81	48.31	48.49	38.36	45.15	45.74	37.23	46.29	47.48	39.92	44.24	47.32	48.95	39.25			
9/4/2004	NA	NA	NA	26.42	FP only	NA	36.18	41.05	36.53	35.92	35.82	49.27	51.06	51.32	40.10	48.21	FP only	38.34	48.92	50.09	Dry	46.98	49.93	51.62	NA			
12/4/2004	NA	NA	NA	26.47	29.80	NA	36.02	41.69	35.63	36.26	36.32	51.18	52.71	53.18	40.34	49.57	40.50	37.23	50.59	51.62	Dry	48.54	51.35	53.22	39.52			
3/15/2005	NA	NA	NA	26.43	29.90	NA	34.00	37.82	33.41	34.66	33.67	46.36	46.50	47.98	36.27	45.68	29.30	35.88	45.33	46.85	31.55	43.60	46.88	48.39	33.17			
6/15/2005	NA	NA	NA	Dry	29.90	NA	33.89	35.26	33.49	34.12	33.91	41.48	41.27	42.75	34.05	40.45	34.78	34.98	39.67	41.69	39.07	38.28	41.63	43.05	33.07			
9/19/2005	NA	NA	NA	Dry	29.91	NA	33.73	32.52	33.46	33.75	34.06	39.30	41.01	31.61	37.70	35.09	34.18	38.47	39.68	39.14	36.45	39.82	41.29	38.04				
12/16/2005	NA	NA	NA	26.59	29.90	NA	33.26	33.56	33.00	32.71	33.28	40.33	40.72	42.14	32.23	38.83	34.85	33.71	39.68	41.20	39.88	37.65	40.98	42.44	38.98			
3/24/2006	NA	NA	NA	26.50	29.89	NA	31.39	32.80	31.03	31.55	31.67	39.47	39.76	41.13	31.54	37.91	33.99	32.49	38.56	39.99	37.45	36.76	39.91	NA	32.21			
6/16/2006																												
9/19/2006	NA	NA	NA	26.51	29.99	NA	30.66	31.44	30.60	29.73	31.31	38.50	38.89	40.32	30.57	37.02	34.35	31.21	37.66	39.12	38.60	35.94	39.08	40.00	37.52			
12/7/2006	NA	NA	NA	26.48	29.87	NA	31.65	33.10	31.54	31.15	32.16	40.22	40.67	42.15	31.80	38.77	35.69	31.91	39.62	40.84	39.91	37.65	40.82	42.46	39.30			
3/7/2007	NA	NA	NA	26.60	29.88	NA	32.10	32																				

**Table 2: TPH-gas and VOCs from Free Product Sample Results using
EPA Methods 8015 and 8260 (mg/L)**

	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
Screened Interval (feet bg)		20-30	30.5-40.5	25-40	29-46	21-46	30-45
TPH-gas	Jun-02	812,000,000	801,000,000	NA	NA	NA	NA
	Dec-03	NA	NA	NA	455,000,000	NA	425,000,000
	Mar-04	NA	NA	446,000	NA	NA	NA
	Dec-07						
VOCs							
Acetone	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
	Dec-07					897,000	
Benzene	Oct-01	110,000*					
	Mar-04	NA	NA	<250,000	NA	<250,000	365,000
	Sep-04	NA	<100,000	<100,000	NA	NA	464,000
	Dec-07						
2-Butanone (MEK)	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
	Dec-07						
Chloroethane	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
1,1-Dichloroethane	Oct-01	592,000*					
	Mar-04	NA	NA	3,190,000	NA	1,590,000	625,000
	Sep-04	NA	4,040,000	5,740,000	NA	NA	1,326,000
	Dec-07						
1,2-Dichloroethane	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
1,1-Dichloroethene	Oct-01	417,000*					
	Mar-04	NA	NA	730,000	NA	928,000	4,840,000
	Sep-04	NA	782,000	710,000	NA	NA	5,860,000
	Dec-07						
cis 1,2-Dichloroethene	Oct-01	1,060,000*					
	Mar-04	NA	NA	1,530,000	NA	1,620,000	1,630,000
	Sep-04	NA	1,765,000	1,900,000	NA	NA	2,793,000
	Dec-07						
trans 1,2-Dichloroethene	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
1,4 Dioxane	Mar-04	NA	NA	<12,500,000	NA	<12,500,000	<12,500,000
	Sep-04	NA	<5,000,000	<5,000,000	NA	NA	<5,000,000
	Dec-07						
Ethylbenzene	Oct-01	4,320,000*					
	Mar-04	NA	NA	5,330,000	NS-FP	7,080,000	6,960,000
	Sep-04	NA	5,910,000	7,280,000	NA	NA	8,770,000
	Dec-07					13,400,000	

Table 2 (Cont): TPH-gas and VOCs from Free Product Sample Results using EPA Methods 8015 and 8260 (mg/L)							
VOCs	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
Methylene Chloride	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
4-Methyl-2-pentanone	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
	Dec-07						
Naphthalene	Oct-01	1,680,000*					
	Mar-04	NA	NA	1,980,000	NA	1,620,000	4,120,000
	Sep-04	NA	3,260,000	2,890,000	NA	NA	6,000,000
	Dec-07					2,570,000	
n-Propylbenzene	Mar-04	NS-FP	NS-FP	2,820,000	NA	3,230,000	2,980,000
	Sep-04	NA	3,787,000	3,700,000	NA	NA	4,240,000
	Dec-07					5,700,000	
Tetrachloroethene	Oct-01	531,000*					
	Mar-04	NA	NA	<500,000	NA	543,000	4,820,000
	Sep-04	NA	<200,000	<200,000	NA	NA	2,870,000
	Dec-07						
1,1,1-Trichloroethane	Oct-01	28,100,000*					
	Mar-04	NA	NA	8,870,000	NA	4,140,000	35,000,000
	Sep-04	NA	5,460,000	7,330,000	NA	NA	45,700,000
	Dec-07						
Trichloroethene	Oct-01	753,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	560,000
	Sep-04	NA	<200,000	<200,000	NA	NA	300,000
	Dec-07						
1,2,4-Trimethylbenzene	Oct-01	22,100,000*					
	Mar-04	NA	NA	31,900,000	NA	30,600,000	45,400,000
	Sep-04	NA	43,400,000	37,000,000	NA	NA	60,100,000
	Dec-07					44,800,000	
1,3,5-Trimethylbenzene	Oct-01	5,400,000*					
	Mar-04	NA	NA	8,560,000	NA	9,020,000	9,480,000
	Sep-04	NA	11,746,000	10,100,000	NA	NA	13,500,000
	Dec-07					12,600,000	
Toluene	Oct-01	9,010,000*					
	Mar-04	NA	NA	8,620,000	NA	15,300,000	11,400,000
	Sep-04	NA	9,010,000	15,200,000	NA	NA	16,400,000
	Dec-07					22,500,000	
Vinyl Chloride	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<100,000	<100,000	NA	NA	<100,000
	Dec-07						
Xylenes	Oct-01	10,370,000*					
	Mar-04	NA	NA	17,600,000	NA	22,500,000	16,000,000
	Sep-04	NA	21,400,000	26,300,000	NA	NA	22,100,000
	Dec-07					65,300,000	

NA= Not Analyzed.

Blue= Chemicals stored on-site.

Red= Transformation compounds.

Table 3: TPH-gas Groundwater Sample Results using EPA Method 8015 ($\mu\text{g/L}$)																											
	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	
Screened Interval (bg)		40-60	30-50	29-49	17-27	20-30	34-55	30.5-40.5	30.5-45.5	25-40	30-40	30-40	52-62	55-65	54-64	29-46	56-66	21-46	30-45	57-67	53-63	30-40	71-81	67-77	71-81	30-40	
TPH-gas	Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Nov-00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Oct-01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Feb-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Jun-02	724,000	14,600	22,500	NS-FP	Table 2	8,530	Table 2	22,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Oct-02	52,300	7,370	29,900	NS-FP	NS-FP	5,300	52300	1,730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dec-02	NA	9,330	11,400	NS-FP	NS-FP	6,250	NS-FP	1,530	68,300	22,600	9,420	98	7,130	326	3,250	77	41,700	107,000	61	405						
	Mar-03	NA	15,600	12,200	NS-FP	NS-FP	3,470	NS-FP	2,500	85,100	24,700	1,730	<50	1,480	270	5,350	<50	83,900	177,000	52	745						
	Jun-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,630	
	Sep-03	NA	NA	NA	NA	NA	NA	NA	1,280	69,600	30,200	1,300	106	89	226	1,460	<50	44,900	NA	<50	998	NS-NW	<50	<50	<50	59,200	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,280	77,200	51,500	5,390	64	521	790	Table 2	<50	40,600	Table 2	1080	2,140	NS-NW	NA	NA	NA	NS-NW	
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,430	Table 2	43,500	4,410	<50	154	1,680	NS-FP	<50	NS-FP	NS-FP	<50	2,650	3,060	NA	NA	NA	41,600	
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,350	NS-FP	43,300	1,780	<50	120	172	NS-FP	<50	511	NA	NA	NA	NA	NA	NA	NA		
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,500	NS-FP	62,400	1,730	224	484	1,040	NS-FP	<50	NS-FP	NS-FP	<50	8,090	NS-NW	NA	NA	NA	NS	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,530	NS-FP	95,500	2,290	205	225	319	NS-FP	129	NS-FP	NS-FP	139	NS-FP	NS-NW	140	213	198	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	41,100	2,120	NS-FP	47,600	1,890	239	173	3,080	59,400	145	NS-FP	NS-FP	146	NS-FP	3,440	103	134	181	75,600
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	48,600	1,580	326,000	41,000	1,880	259	433	3,890	73,000	126	NS-FP	NS-FP	79.4	NS-FP	3,360	90.3	177	117	64,300
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	52,000	3,390	144,000	991,000	1,540	155	1,250	293	45,700	97.9	NS-FP	NS-FP	111	NS-FP	2,700	153	150	113	40,300
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	64,600	3,600	87,100	238,000	1,470	92.1	180	885	21,800	104	NS-FP	NS-FP	81.5	NS-FP	NS-NW	288	341	165	158,000
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	NA	1,960	44,100	41,500	83.3	195	69	234	NA	<50	NS-FP	NS-FP	106	NS-FP	NA	NA	NA	NA	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	29,100	2,410	42,200	63,800	57.6	181	383	1,660	NA	<50	NS-FP	NS-FP	<50	NA	NA	NA	NA	NA	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	43,600	3,840	38,800	788,000	97.9	<50	582	1,840	NA	51.1	NA	NS-FP	92.1	NA	NA	NA	NA	NA	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	48,000	2,620	43,400	477,000	184	55.2	566	1,460	NA	88.3	NS-FP	NS-FP	104	NA	NS-NW	NA	NA	NA	NS-NW
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	10,500	2,800	39,100	80,600	ND	409	739	4,400	13,100	59.9	367,000	NS-FP	137	3390	91	194	211	126	58,500
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	12,700	2,540	18,900	29,500	ND	268	495	2,890	9,400	83	271,000	NS-FP	194	3270	123				35,800
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	23,200	1,950	23,900	33,400	ND	367	522	1,630	18,500	59	194,000	NS-FP	125	4480	NS-NW	152	358	241	NS-NW
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	9,190	2,320	19,400	40,300	304	284	764	200	11,000	145	NS-FP	NS-FP	93	4580	NS-NW	190	354	528	NS-NW
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	14,300	2,100	20,400	25,700	135	260	789	310	9,770	210	NS-FP	NS-FP	153	5,210	NS-NW	414	402	154	40,900
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	15,600	3,750	37,200	34,900	447	408	1110	263	12,000	173	NS-FP	NS-FP	154	5,280	NS-NW	641	552	1110	NS-NW
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	13,100	3,420	22,100	22,400	386	341	881	259	9,910	539	NS-FP	NS-FP	291						

Table 4: Detected VOCs from Groundwater Sample Results using EPA Method 8260 (μ g/L)

Table 4: Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)																											
							20	10	50	250	1	1	2	10	20	1	100	1	25	10	1	1	100				
VOCs	Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	
Acetone	Oct-01	<1,250	<250	<625	NS-NW	Table 2	1,190																				
	Feb-02	<625	<62.5	3,150	NS-FP	NS-FP	746																				
	Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																		
	Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																		
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	29,900	662	<125	<25	<625	<250	<1,250	<25	26,000	70,000	<25	<125						
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	25,600	6,760	<250	<25	<625	<250	<625	<25	39,700	70,200	<25	<125						
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	46,400	13,600	<125	<25	<25	<62.5	<125	<25	62,700	105,000	<62.5	<5	<250	<25	<25	<25	34,100	
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	73,000	6,950	<12.5	<5	<5	<10	<125	<5	44,200	NS-FP	<5	<25	NS-NW	<5	<5	<5	24,500	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	19,200	2,240	<12.5	<5	<10	<12.5	NS-FP	<5	32,400	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW	
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	33,000	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	10,200	
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	888	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	7,220	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	566	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5	<5	<5	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	151,000	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	<5	7,170	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	8,950	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	<5	64,200	
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,300	160	2,290	1,130	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	<5	23,800	
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	<42	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5	<5	<5	9,440	
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<1000	<100	<1000	<1000	<5	<5	<5	<10	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	NA	6,870	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<500	<5	<5	<10	<25	<100	<5	NS-FP	NS-FP	<5	<50	<50	<5	<5	<5	17,200	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<1,250	<5	<5	<10	<50	<100	<5	1,670J	NS-FP	<5	<125	<50	<5	<5	<5	7,680	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<500	<1,000	<5	<5	<10	<10	<100	<5	NS-FP	NS-FP	<5	<250	NS-NW	<5	<5	<5	NS-NW	
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22200	NS-FP	ND	ND	ND	ND	ND	ND	ND	10,300
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17200	NS-FP	ND	ND	ND	ND	ND	ND	ND	5,450
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2400	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	8,800
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS-FP	NS-FP	<5	<5	NS-NW	<5	<5	<5	<5	NS-NW
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS-FP	NS-FP	<5	<5	NS-NW	<5	<5	<5	<5	NS-NW
Benzene	Feb-94	194	<100	63	111	795	46																				
	Nov-00	<2,500	61	73	NS-FP	NS-FP	65																				
	Oct-01	125	105	110	NS-NW	Table 2	55																				
	Feb-02	231	204	108	NS-FP	NS-FP	63.2																				
	Jun-02	300	222	125	NS-FP	NS-FP	<5	NS-FP	90.8																		
	Oct-02	245	177	99.2	NS-FP	NS-FP	121	NS-FP	893																		
	Dec-02	NA	180	137	NS-FP	NS-FP	<25	NS-FP	85.2	<500	431	19.5	1	<25	<10	79	<1	610	1,160	<1	7.9						
	Mar-03	NA	172	127	NS-FP	NS-FP	62.6	NS-FP	54	302	974	13.3	<1	<25	<10	82.5	<1	<500	1,100	<1	9						
	Jun-03	NA	<100	<200	NS-FP	NS-FP	61	NS-FP	64.4	250	520	<5	<1	<1	5.7	97.5	<1	392	1,390	<2.5	18	13.5	<1	<1	<1	125	
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	75	340	775	5.5	<1	5.5	5.6	72	<1	380	NS-FP	<1	53	NS-NW	<1	<1	<1	270	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2.1	292	768	9.1	<1	14.6	12.9												

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs	Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	
2-Butanone (MEK)	Feb-94	NA	NA	NA	NA	NA	NA	NA	NA																		
	Nov-00	3,100	<10,000	<10,000	NS-FP	NS-FP	1,400																				
	Oct-01	<1,250	<250	500	NS-NW	Table 2	980																				
	Feb-02	<625	<62.5	<500	NS-FP	NS-FP	<50																				
	Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																		
	Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																		
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	10300	15,300	1,160	<125	<25	<625	<250	<1,250	<25	9,300	18,500	<25	<125						
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	21,100	15,600	<250	<25	<625	<250	<625	<25	23,900	28,900	<25	<125						
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	20,200	5,860	<125	<25	<25	<62.5	<125	<25	29,800	43,800	<62.5	<5	<250	<25	<25	<25	11,300	
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	58,000	5,580	<12.5	<5	<5	<10	<125	<5	32,000	NS-FP	<5	<25	NS-NW	<5	<5	<5	11,000	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	4,080	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	23,700	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW	
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	13,600	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	6,050	
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	2,260	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<125	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SM	<5 SM	<5 SM	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	18,000	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SM	<5 SM	<5 SM	9,250	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	<500	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SM	<5 SM	<5 SM	10,500	
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SM	<5 SM	<5 SM	1,800	
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SM	<5 SM	<5 SM	4,120	
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<1000	<100	<1000	<1000	<5	<5	<5	<10	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SM	<5 SM	<5 SM	NA	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<500	<5	<5	<10	<25	<100	<5	NS-FP	NS-FP	<5	<50	<50	<5 SM	<5 SM	<5 SM	6,350	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<1,250	<5	<5	<10	<50	<100	<5	562J	NS-FP	<5	<125	<50	<5 SM	<5 SM	<5 SM	1,970J	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<500	<1,000	<5	<5	<10	<10	<100	<5	NS-FP	NS-FP	<5	<250	NS-NW	<5 SM	<5 SM	<5 SM	NS-NW	
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2610	
	Jun-07	NA	NA	NA	NS-NM	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,460	
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	NS-NW	
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	NS-NW	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	2,030	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	NS-NW	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS-FP	NS-FP	<5.0	<5.0	<5.0	NS-NW
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	<5.0	NS-NW	NS-NW	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS-FP	NS-FP	<5.0	<5.0	<5.0	NS-NW
Chloroethane	Feb-02	<125	119	<100	NS-FP	NS-FP	17																				
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																		
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																		
	Dec-02	NA	<250	<250</																							

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs		Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
1,1-Dichloroethane (1,1-DCA)	Feb-94	649	1,130	85	1410	2,260	2,130																						
	Nov-00	17,000	1,800	800	NS-FP	NS-FP	2,800																						
	Oct-01	8,190	1,500	1,030	NS-NW	Table 2	2,670																						
	Feb-02	20,600	2,310	1,350	NS-FP	NS-FP	5,490																						
	Jun-02	18,900	2,700	1,340	NS-FP	NS-FP	4,150	NS-FP	1,210																				
	Oct-02	10,400	2,550	1,130	NS-FP	NS-FP	5,680	NS-FP	1,390																				
	Dec-02	NA	1,920	1,190	NS-FP	NS-FP	3,530	NS-FP	1,190	42,400	19,400	3,930	17.3	171	79.8	3,930	13	4,390	5,150	16.2	141								
	Mar-03	NA	2,180	1,710	NS-FP	NS-FP	3,750	NS-FP	1,020	41,900	48,800	1,600	6.4	150	117	3,130	2.5	6,700	5,110	18	276								
	Jun-03	NA	1,140	1,020	NS-FP	NS-FP	3,470	NS-FP	1,480	51,700	37,800	354	11.5	<2	107	3,330	<2	9,820	6,840	47.6	535	1,200	<2	<2	<2	931			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,950	47,400	43,000	505	<2	101	88	4,450	<2	7,040	NS-FP	28.5	1,370	NS-NW	3.1	<2	5	1,670			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	50	53,500	49,200	735	2.3	219	262	NS-FP	<2	5,440	NS-FP	123	2,300	NS-NW	Table 5	Table 5	Table 5	NS-NW			
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	965	Table 2	52,700	485	2.5	110	672	NS-FP	<1	Table 2	Table 2	89.2	2,240	1,900	Table 5	Table 5	Table 5	3,620			
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	910	NS-FP	55,000	300	8.8	45.9	53.6	NS-FP	4.3	NS-FP	NS-FP	12.8	203	NS-NW	<1	<1	<1	1,750			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	628	NS-FP	29,400	160	2.8	151	168	NS-FP	<1	NS-FP	NS-FP	2.5	2,760	NS-NW	2.9	52.1	<1	NA			
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	496	NS-FP	85,300	156	17.4	101	101	NS-FP	<1	NS-FP	NS-FP	1.9	NS-FP	NS-NW	<1 SM	<1 SM	<1 SM	NS-NW			
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	22,300	1,230	NS-FP	34,800	191	15.5	63.6	693	3,030	<1	NS-FP	NS-FP	7.7	NS-FP	1,390	9.4 SM	2.3 SM	<1 SM	1,670			
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	23,000	1,640	44,000	27,900	49.1	11.5	181	961	2,590	<1	NS-FP	NS-FP	7.3	NS-FP	1,620	6.3 SM	1 SM	<1 SM	2,010			
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	45,000	2,570	46,600	45,200	63.4	8.9	151	108	4,060	<1	NS-FP	NS-FP	17.4	NS-FP	1,870	4.0 SM	5.4 SM	<1 SM	2,230			
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	33,000	2,430	33,100	34,100	20.5	5.5	77.2	262	3,990	<1	NS-FP	NS-FP	27.1	NS-FP	NS-NW	51.5 SM	5.9 SM	<1 SM	2,300			
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	25,700	2,130	26,000	41,300	1.5J	4.9J	7.9	50.3	3,390*	<1	NS-FP	NS-FP	3.6J	NS-FP	1,060	<1 SM	7.2 SM	NA	1,850			
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	3,400	1,230	12,800*	49,900*	2.7	2.2	137	556	1,910	<1	NS-FP	NS-FP	8.5	1,440	597	<1 SM	1.5 SM	<1 SM	1,570			
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	3,360*	1,470	12,400*	34,100	2.0	3.8	190	554	2,840	1.4J	9,660	NS-FP	16.6	920	921	<1 SM	5.0 SM	<1 SM	952			
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	4,520*	1,290	8,250	33,000	2.4	3.6	199	225	2,710	<1	NS-FP	NS-FP	10.6	1,550	NS-NW	<1 SM	14.4 SM	<1 SM	NS-NW			
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	7430	1,140	3,980	27,200	4.4	1.1	286	89.1	2930	ND	18,200	NS-FP	3.2	943	41	ND	3	ND	1,850			
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	16,900	1,020	732	17,300	2.4	ND	201	84.9	2,230	ND	18,400	NS-FP	12.3	737	54	ND	ND	ND	1,410			
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	18,500	838	589	17,300	1.9	ND	218	72.0	3,000	ND	9,500	NS-FP	ND	1,480	NS-NW	ND	2	ND	NS-NW			
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	11,600	917	310	18,500	4.7	ND	319	45.0	2,530	ND	NS-FP	NS-FP	ND	3,610	NS-NW	ND	2	ND	NS-NW			
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	18,900	1,150	376	10,600	7.5	ND	379	94.5	3,010	ND	NS-FP	NS-FP	ND	2,640	NS-NW	ND	ND	ND	1,790			
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	10,100	1,190	640	13,500	5.4	25.5	805	10.2	1,630	3.5J	NS-FP	NS-FP	4.1J	1,670	NS-NW	110	121	202	NS-NW			
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	6,080	1,140	306	4,950	12.3	<1.0	258	82	2,590	<1.0	NS-FP	NS-FP	5.2	3,660	NS-NW	<1.0	<1.0	2.5J	NS-NW			
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	996	NS-NW	NS-NW	24.5	ND	375	1,300	3,500	ND	NS-FP	NS-FP	10.3	2,320	NS-NW	1	ND	1	NS-NW				
1,2-Dichloroethane	Feb-94	<100	<100	<50	<100	1140	31																						
	Nov-00	<2,500	<500	<500	NS-FP	NS-FP	<500																						
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																						
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	43.4																						
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																				
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																				
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	28	<5	<500	<2,500	<5	<25								
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	11.5	<1,000	228	<50	<5	<125	<50	57.5	<5	<2,500	<2,500	<5	<25								
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA																						

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs		Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
1,1-Dichloroethene (1,1-DCE)	Feb-94	2,210	2,460	2,800	806	1,240	151																						
	Nov-00	3,000	<500	2,900	NS-FP	NS-FP	350																						
	Oct-01	1,200	1,120	4,090	NS-NW	Table 2	355																						
	Feb-02	4,050	1,480	3,900	NS-FP	NS-FP	778																						
	Jun-02	4,900	2,090	2,690	NS-FP	NS-FP	423	NS-FP	1,540																				
	Oct-02	3,800	2,100	176	NS-FP	NS-FP	547	NS-FP	1,620																				
	Dec-02	NA	2,230	196	NS-FP	NS-FP	538	NS-FP	1,480	2,640	3,460	154	38.5	142	52.4	1,530	18.6	6,850	17,700	25.6	207								
	Mar-03	NA	2,490	1,410	NS-FP	NS-FP	213	NS-FP	1,100	2,550	2,940	16.5	16.8	125	60.8	2,470	17.1	5,290	18,600	16.5	280								
	Jun-03	NA	1,490	2,370	NS-FP	NS-FP	364	NS-FP	1,290	3,370	1,480	29.2	44.2	29.6	124	3,500	16	4,610	24,200	246	755	155	2	<2	4.2	2,340			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,620	1,760	1,050	14.5	27.2	274	98	2,470	14.2	4,260	NS-FP	45.7	1,800	NS-NW	<2	<2	<2	5,600			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	43.5	2,750	1,810	7.3	10.8	675	234	NS-FP	7.8	4,170	NS-FP	43.8	1,960	NS-NW	Table 5	Table 5	Table 5	NS-NW			
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,260	Table 2	520	7.3	6.7	264	725	NS-FP	3.8	Table 2	Table 2	21	2,540	440	Table 5	Table 5	Table 5	7,740			
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,100	NS-FP	435	4.5	30.7	96.9	40.5	NS-FP	24.7	NS-FP	NS-FP	78.1	299	NS-NW	9.7	15.6	7.9	8,150			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	909	NS-FP	434	4.5	13.9	346	198	NS-FP	2.9	NS-FP	NS-FP	10.5	2,730	NS-NW	0.7	1.7	<2	NA			
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	731	NS-FP	360	1.8	22.7	185	70.2	NS-FP	5.5	NS-FP	NS-FP	14.6	NS-FP	NS-NW	3.2 SM	8.6 SM	9.0 SM	NS-NW			
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	1,690	1,240	NS-FP	339	5.7	34.9	140	945	1,840	10.2	NS-FP	NS-FP	12.1	NS-FP	564	<2 SM	17.7 SM	17.5 SM	8,040			
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	12,580	1,260	2,750	418	<2	34.9	396	858	1,370	7.1	NS-FP	NS-FP	18.7	NS-FP	441	<2 SM	16.5 SM	5.3 SM	9,250			
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,960	2,200	1,530	911	<2	46.7	452	142	3,430	15.2	NS-FP	NS-FP	41.8	NS-FP	526	57.8 SM	22.9 SM	10.3 SM	11,100			
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	1,100	2,000	1,170	800	<2	49.8	262	89.1	3,480	11.3	NS-FP	NS-FP	57.4	NS-FP	NS-NW	636 SM	50.6 SM	8.2 SM	9,210			
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	490J	2,090*	524J	956J	<2	65.8	46.9	120	2,380	21.7	NS-FP	NS-FP	<2	NS-FP	77.0J	21.3 SM	56.6 SM	NA	9,050			
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	118	1,240	364	417J	<2	2.2J	404	141	732	1.6J	NS-FP	NS-FP	16.3	1,690	50.7	4.1J SM	17.6 SM	5.4 SM	7,370			
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	210	1,460	134J	248J	<2	4.6	566*	134	2,240	2.7J	833	NS-FP	26.8	1,160	93	5.7 SM	39.1 SM	3.9 SM	5,100			
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	244	965	<200	276J	<2	10.7	572	44.4	2,280	5.4	NS-FP	NS-FP	51.8	1,850	NS-NW	4.9 SM	76.1 SM	4.2 SM	NS-NW			
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	509	1,340	84	188	ND	62.8	728	ND	2,820	2.2	2,720	NS-FP	49.5	1,040	2.3	4.7	27.7	4.7	7,940			
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	205	1,620	ND	ND	ND	56.5	610	ND	2,380	2.5	2,810	NS-FP	195	1,170	4.3	10.9	26.1	5.3	7,460			
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	200	809	ND	120	ND	52.9	465	ND	2,040	1.6	1,330	NS-FP	5.4	1,330	NS-NW	5.8	48.9	19.7	NS-NW			
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	1,040	ND	209	ND	4.7	562	8.6	1,480	6.2	NS-FP	NS-FP	2.3	732	NS-NW	11.1	51	104	NS-NW			
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	1,100	ND	137	ND	8.6	610	25.7	1,650	5.3	NS-FP	NS-FP	7.2	1,820	NS-NW	83	41.2	32	7,170			
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	1,130	18.9J	ND	ND	25.5	805	10.2	1,630	3.5J	NS-FP	NS-FP	4.1J	1,670	NS-NW	110	121	202	NS-NW			
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	970	<2.0	<2.0	<2.0	4.9J	443	9.0	1,770	92.3	NS-FP	NS-FP	442.3	778	NS-NW	47.8	60.1	159	NS-NW			
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	842	NS-NW	NS-NW	ND	9.8	434	61.4	2,040	78.3	NS-NW	NS-FP	29.9	629	NS-NW	64.1	20.2	71.8	NS-NW			
cis 1,2-Dichloroethene (cis 1,2-DCE)	Feb-94	NA	NA	NA	NA	NA	NA																						
	Nov-00	20,000	9,500	5,700	NS-FP	NS-FP	210																						
	Oct-01	10,300	9,150	7,000	NS-NW	Table 2	194																						
	Feb-02	29,100	11,100	7,960	NS-FP	NS-FP	268																						
	Jun-02	31,100	14,800	6,860	NS-FP	NS-FP	238	NS-FP	612																				
	Oct-02	20,700	10,400	212	NS-FP	NS-FP	311	NS-FP	736																				
	Dec-02	NA	11,800	595	NS-FP	NS-FP	268	NS-FP	630	23,300	6,700	180	46.5	664	332	975	36	18,100	11,800	9.3	324								
	Mar-03	NA	11,300	3,090	NS-FP	NS-FP	225	NS-FP	483	20,900	10,100	18.6	17.6	363	496	1,150	7.1	21,200	11,100	6.9	543								
	Jun-03	NA	2,270	5,220	NS-FP	NS-FP	214	NS-FP	552	24,600	8,740	24.8	40	5.8	617	1,540	2.2	23,900	13,000	7	1,060	3,860	<2	<2	939				
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	648	9,290	6,950	8	25.2	49	436	998	<2	15,900	NS-FP	4.6	2,450	NS-NW	8.7	<2	2.4	2,130			
	Dec-03	NA	NA	NA																									

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs	Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
trans 1,2-Dichloroethene	Feb-94	NA	NA	NA	NA	NA	NA																					
	Nov-00	<2,500	<500	<500	NS-FP	NS-FP	<500																					
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																					
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																					
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																			
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																			
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25							
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	<500	<50	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25							
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100		
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	<5	<2	<2	<4	<50	<2	<200	NS-FP	<2	12	NS-NW	<2	<2	<2	120		
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW	
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	<5	<2	<2	29.4	NS-FP	<2	Table 2	Table 2	<2	14.5	32.3	Table 5	Table 5	Table 5	<100		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<2	<40		
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	24	NS-NW	<2	<2	<2	NA		
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<200	<2	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW		
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<5	NS-FP	<200	<5	<2	<2	<2	<50	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100		
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<400	<200	<2	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100		
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100		
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<20	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	<2	<2 SM	<2 SM	<2 SM	<100		
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<400	<40	<400	<400	<2	<2	<2	<4	<40	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	NA	<200	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<100	<200	<2	<2	<4	<10	<40	<2	NS-FP	NS-FP	<2	<20	<20	<2 SM	<2 SM	<2 SM	<200		
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<100	<500	<2	<2	<4	<20	<40	<2	<200	NS-FP	<2	<50	<20	<2 SM	<2 SM	<2 SM	<200		
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<200	<400	<2	<2	<4	<4	<40	<2	NS-FP	NS-FP	<2	<100	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW		
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS-NW
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW	
1,4 Dioxane	Oct-02				NS-FP	NS-FP		NS-FP																				
	Dec-02	NA	<5,000	<5,000	NS-FP	NS-FP	11,500	NS-FP	6,540	<50,000	<2,500	<500	<100	<2,500	<1,000	16,500	<100	<10,000	<50,000	176	<500							
(* = Analyzed using EPA Method 8270)	Mar-03	NA	<10,000	<5,000	NS-FP	NS-FP	21,900	NS-FP	7,200	<10,000	<5,000	<250	29</td															

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs	Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
Ethylbenzene	Feb-94	333	1,720	115	1,180	1,910	45																					
	Nov-00	960	120	1,000	NS-FP	NS-FP	82																					
	Oct-01	805	197	1,550	NS-NW	Table 2	107																					
	Feb-02	875	115	1,360	NS-FP	NS-FP	94.4																					
	Jun-02	1,450	147	1,470	NS-FP	NS-FP	124	NS-FP	<1																			
	Oct-02	884	469	945	NS-FP	NS-FP	213	NS-FP	<1																			
	Dec-02	NA	590	1,150	NS-FP	NS-FP	50	NS-FP	<5	1,480	967	270	<1	334	<10	<50	<1	425	1,710	<1	<5							
	Mar-03	NA	614	982	NS-FP	NS-FP	100	NS-FP	<5	1,280	1,650	200	<1	25.3	<10	<25	<1	1,050	2,270	<1	<5							
	Jun-03	NA	<100	722	NS-FP	NS-FP	85.3	NS-FP	<10	1,400	940	11.1	<1	<1	<2.5	<25	<1	1,010	2,480	<2.5	31	<10	<1	<1	<1	<1	1,620	
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	1,360	1,010	52.5	2	<1	<2	<25	<1	740	NS-FP	<1	5.5	NS-NW	<1	<1	<1	<1	2,900	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	1,450	1,140	157	<1	<2	<2.5	NS-FP	<1	690	NS-FP	<1	<1	NS-NW	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	1,080	254	<1	<1	6.7	NS-FP	<1	Table 2	Table 2	<1	6.8	<2	Table 5	Table 5	Table 5	3,180		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	833	74.4	<1	<1	2.5	NS-FP	<1	NS-FP	NS-FP	<1	<2	NS-NW	<1	<1	<1	<1	2,830	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	1,160	160	<1	<1	4.7	NS-FP	<1	NS-FP	NS-FP	<1	9.4	NS-NW	<1	<1	<1	NA		
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	1,360	84.8	<1	<2	<1	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1	SM	<1	SM	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	1,270	<2.5	NS-FP	860	61	<1	<1	2.4	342	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	SM	<1	SM	3,060	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	1,230	<10	1,990	1,060	42.7	<1	<1	<20	323	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	SM	<1	SM	3,530	
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,120	16.5	1,260	1,360	21.2	<1	46.6	1.8	221	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	SM	<1	SM	1,950	
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	1,780	<10	1,820	1,650	10.3	<1	<4	7.2	242	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1	SM	<1	SM	2,070	
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	1,320	<20	1,510	714	<1	<1	<2	219	<1	NS-FP	NS-FP	<1	NS-FP	<1	<1	SM	<1	SM	NA	1,670	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	497	<10	1,550	619	<1	<1	<2	<5	68.8	<1	NS-FP	NS-FP	<1	860	<10	<1	SM	<1	SM	2,380	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	603	<10	1,430	1,290	<1	<1	<2	<10	270	<1	2,020	NS-FP	<1	437	<10	<1	SM	<1	SM	1,150	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	768	<10	1,840	1,080	<1	<1	<2	16.5	245	<1	NS-FP	NS-FP	<1	545	NS-NW	<1	SM	<1	SM	NS-NW	
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	246	ND	1,410	844	ND	ND	ND	89.9	170	ND	1740	NS-FP	ND	ND	ND	ND	ND	ND	ND	1260	
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	424	ND	857	751	ND	ND	ND	95.6	140	ND	2,980	NS-FP	ND	ND	ND	ND	ND	ND	ND	1,050	
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	516	ND	865	1,030	ND	ND	ND	86.9	192	ND	1,950	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	127	ND	843	1,030	2.5	ND	ND	2.1	166	ND	NS-FP	ND	ND	ND	NS-NW	ND	ND	ND	NS-NW		
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	456	ND	ND	1,270	ND	ND	ND	ND	118	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	498	ND	1510	1,230	6.3	ND	ND	ND	162	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW		
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	61.5	<1.0	871	864	<1.0	<1.0	<1.0	<44.0J	<1.0	NS-FP	NS-FP	<1.0	<1.0	NS-NW	<1.0	<1.0	<1.0	<1.0	NS-NW		
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	3.2	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
Methylene Chloride	Feb-94	1,220	2,980	6,530	4,760	21,400	<50																					
	Nov-00	1,100	180	5,600	NS-FP	NS-FP	180																					
	Oct-01	<1,250	<250	<625	NS-NW	Table 2	<125																					
	Feb-02	<250	18.5	3,960	NS-FP	NS-FP	<20																					
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<10																			

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs		Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
4-Methyl-2-pentanone (MIBK)	Oct-01	<1,250	<250	4,130	NS-NW	Table 2	625																						
	Feb-02	<625	<62.5	3,470	NS-FP	NS-FP	376																						
	Jun-02	<1,250	<2,500	2,850	NS-FP	NS-FP	388	NS-FP	<500																				
	Oct-02	<2,500	<250	1,410	NS-FP	NS-FP	276	NS-FP	<125																				
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	<12,500	3,540	<125	<25	<625	<250	<1,250	<25	<2,500	<12,500	<25	<125								
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	8,160	3,680	<250	<25	<625	<250	<625	<25	7,400	10,100	<25	<125								
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	6,020	5,340	<125	<25	<25	<62.5	<125	<25	12,600	14,400	<62.5	<5	<250	<25	<25	<25	9,250			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	10,900	1,370	<12.5	<5	<5	<10	<125	<5	4,100	NS-FP	<5	<25	NS-NW	<5	<5	<5	7,350			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	3,120	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	1,330	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	<250	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	Table 5	6,600		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	5,320			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<125	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA			
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	<5	NS-FP	NS-NW	<5	<5	<5	SM	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	1,200	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	<5	SM	5,550		
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	<500	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	<5	SM	4,880		
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	370	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	<5	SM	4,190		
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5	<5	<5	SM	7,120		
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<1000	<100	<1000	<1000	<5	<5	<5	<10	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5	<5	<5	SM	NA	686J	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<500	<5	<5	<10	<25	<100	<5	NS-FP	NS-FP	<5	<50	<50	<5	<5	<5	SM	2,420J		
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<1,250	<5	<5	<10	<50	<100	<5	233J	NS-FP	<5	<125	<50	<5	<5	<5	SM	<500		
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<500	<1,000	<5	<5	<10	<10	<100	<5	NS-FP	NS-FP	<5	<250	NS-NW	<5	<5	<5	SM	NS-NW		
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW		
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW		
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS-NW	<5.0	<5.0
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	
Naphthalene	Oct-01	185	76	<125	NS-NW	Table 2	85																						
	Feb-02	195	64	122	NS-FP	NS-FP	74.8																						
	Jun-02	<250	89.4	178	NS-FP	NS-FP	116	NS-FP	<100																				
	Oct-02	<500	62.2	59.2	NS-FP	NS-FP	<250	NS-FP	<25																				
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	97	<5	<125	<50	<250	<5	<500	<2,500	<5	<25								
	Mar-03	NA	<1,000	206	NS-FP	NS-FP	110	NS-FP	<25	568	222	134	89.4	<125	27.5	55.3	116	1,130	1,610	<5	<25								
	Jun-03	NA	<200	<400	NS-FP	NS-FP	80.3	NS-FP	<20	450	<400	<10	<2	<2	<5	<50	<2	276	3,250	<5	<2	<20	<2	<2	<2	135			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	22	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	125			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	113	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	20	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	163	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	53.5	6.6	Table 5	Table 5	Table 5	Table 5	<100		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	129	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	102			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	157	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	70	NS-NW	<2	<2	<2	NA			
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<500	66.9	<2	<4	<2	NS-FP	2.4	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2	SM	<2	SM	NS-NW		
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	440	<5	NS-FP	<200	44.2	<2	<2	<2	909	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2						

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs		Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26				
n-Propylbenzene	Jun-02	<250	28.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																						
	Oct-02	<500	44.2	<50	NS-FP	NS-FP	<250	NS-FP	<25																						
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	259	89.5	<5	<125	<50	<250	<5	<500	<2,500	<5	<25										
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	462	191	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25										
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100						
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	303	45	<2	<2	<4	<50	<2	<200	NS-FP	<2	10.5	NS-NW	<2	<2	<2	<100					
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	123	<2	<4	<5	NS-FP	<2	230	NS-FP	22.9	<40	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW					
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	355	237	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	14.3	<4	Table 5	Table 5	Table 5	Table 5	<100				
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	210	142	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<40					
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	230	184	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	13.4	NS-NW	<2	<2	<2	NA					
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	327	128	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW					
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	117	<5	NS-FP	220	122	<2	<2	<2	81	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100					
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	132	<20	<400	<200	117	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<20	<2 SM	<2 SM	<2 SM	<100					
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	177	<20	<500	270	139	<2	6.6	<2	48.2	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100					
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	232	<20	1,690	248	105	<2	<4	<2	30.6	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	170					
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<400	<40	<400	598J	5.8	<2	<2	<2	27.8J	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	NA	261J					
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	177J	<200	2.3J	<2	<4	<10	60.8J	<2	NS-FP	NS-FP	<2	315	<20	<2 SM	<2 SM	<2 SM	382J					
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	161	<20	96.0J	668J	2.7J	<2	<4	<20	31.6J	<2	944	NS-FP	<2	209	<20	<2 SM	<2 SM	<2 SM	<200					
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	181	<20	194J	<400	11.4	<2	<4	<4	<40	<2	NS-FP	NS-FP	<2	331	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW					
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	59.4J	ND	134	ND	392J	NS-FP	ND	ND	ND	ND	ND	ND	ND	ND										
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	75	ND	ND	258	ND	ND	ND	ND	ND	ND	869	NS-FP	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW			
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW			
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	110	23.0	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW			
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	948	172	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	ND	ND		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	63.5	100J	32.7	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW			
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	<2.0	927	140J	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS-FP	NS-FP	<2.0	<2.0	NS-NW	<2.0	<2.0	<2.0	<2.0	<2.0	NS-NW			
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW			
Tetrachloroethene (PCE)		Feb-94	662	2,150	5,370	3,320	2,130	134																							
	Nov-00	<2,500	<500	130	NS-FP	NS-FP	<500																								
	Oct-01	<100	<20	130	NS-NW	Table 2	100																								
	Feb-02	20	3.3	302	NS-FP	NS-FP	8.2																								
	Jun-02	24.8	<500	133	NS-FP	NS-FP	<25	NS-FP	122																						
	Oct-02	<200	<20	39.3	NS-FP	NS-FP	<100	NS-FP	190																						
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	204	<1,000	<50	<10	97.1	<50	<20	268	8.1	534	1,240	9.7	53.1										
	Mar-03	NA	<400	411	NS-FP	NS-FP	<50	NS-FP	136	<400	<200	<20	11	<50	<20	350	25	<1,000	1,480	3.3	17.8										
	Jun-03	NA	258	318	NS-FP	NS-FP	<50	NS-FP	132	<400	<400	<10	161	21.8	29.5	485	35.9	<400	1,460	48.9	<2	<20	4	4.1	12.3	1,920					
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	131	<400	<50	12.5	145	28.3	36	273	15.1	<200	NS-FP	18.3	232	NS-NW	4.1	10.7	51	2,930					
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4.5	<400	<400	3.8	36.3	42.4	12.1	NS-FP	18	<200	NS-FP	3.4	133	NS-NW	Table 5	Table 5	Table 5	NS-NW					
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	149	Table 2	<100	3.8	51.4	42	63.2	NS-FP	36.2	Table 2	Table 2	9.3	347	4	Table 5	Table 5	Table 5	4,160					
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	126	NS-FP	<100	2.8	177	41.8	53.1	NS-FP	37.6	NS-FP	NS-FP	25	228	NS-NW	34.5	120	31.7	1,830					
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	123	NS-FP	<50	3	239	40.5	56.5	NS-FP	20.4	NS-FP	NS-FP	35.6	491	NS-NW	1.7	<2	3.6	NA					
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	57.9	NS-FP	<200	<2	58.8	19.2	38.2	NS-FP	81.1	NS-FP	NS-FP	27.1	NS-FP	NS-NW	52.1 SM	75.1 SM	86.1 SM	NS-NW					
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	98.6	NS-FP	<200	5.4	56.9																		

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs		Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
1,1,1-Trichloroethane (1,1,1-TCA)	Feb-94	9,370	3,470	444	36,200	114,000	90																						
	Nov-00	<2,500	<500	70	NS-FP	NS-FP	<500																						
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																						
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																						
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																				
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	92																				
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	32.3	13,800	52.8	21	<5	230	<50	<250	6	1,150	21,500	<5	<25								
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	35	12,300	<500	14	1.4	77.5	<50	33.5	9.5	665	37,800	<5	14								
	Jun-03	NA	160	<400	NS-FP	NS-FP	<50	NS-FP	18.6	8,430	<400	19	<2	3.4	10.7	42.5	<2	260	61,200	25	70	<20	<2	<2	<2	1,250			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	4,510	<50	8.7	<2	8.9	6.4	<50	8	420	NS-FP	8.6	150	NS-NW	<2	<2	<2	1,790			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	7,460	852	10.7	<2	<4	<5	NS-FP	2.2	1,130	NS-FP	81.7	132	NS-NW	Table 5	Table 5	Table 5	NS-NW			
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	11.1	Table 2	170	8.3	<2	<2	7.7	NS-FP	<2	Table 2	Table 2	20.9	186	<4	Table 5	Table 5	Table 5	7,350			
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	24	NS-FP	250	2.5	<2	<2	4.5	NS-FP	7.4	NS-FP	NS-FP	3.4	13.5	NS-NW	3.4	<2	<2	5,730			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	27.9	NS-FP	485	2.4	<2	<2	5.2	NS-FP	<2	NS-FP	NS-FP	3.2	312	NS-NW	<2	<2	<2	NA			
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	27.8	NS-FP	290	<2	<2	<4	2.2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW			
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	321	14.4	NS-FP	158	<5	<2	<2	<2	50	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	3,900			
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	302	<20	1,410	117	<2	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	6,200			
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	527	<20	1,040	<200	<2	2.3	<4	<2	49.2	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	3,980			
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	71.1	<20	2,570	<200	<2	<2	<4	<2	83.2	<2	NS-FP	NS-FP	2.2	NS-FP	NS-NW	16.3 SM	5.2 SM	<2 SM	4,710			
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<400	<40	420J	<400	<2	<2	<2	<4	50.0J	<2	NS-FP	NS-FP	3.2J	NS-FP	<40	<2 SM	<2 SM	NA	3,890			
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<100	<200	<2	<2	<4	<10	12.4J	<2	NS-FP	NS-FP	<2	564	<20	<2 SM	4.1 SM	<2 SM	4,170			
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	122J	<500	<2	<2	<4	<20	72.0J	<2	126J	NS-FP	<2	290	<20	<2 SM	8.8 SM	<2 SM	1,740			
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<200	<400	<2	<2	<4	<4	63.8J	<2	NS-FP	NS-FP	<2	330	NS-NW	<2 SM	7.5 SM	<2 SM	NS-NW			
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	79.5J	ND	ND	ND	ND	ND	94.8J	ND	720	NS-FP	ND	132	ND	ND	ND	ND	ND	3,250		
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	82	ND	518	NS-FP	ND	136	ND	ND	ND	ND	ND	1,950		
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	93	ND	280	NS-FP	ND	145	ND	ND	ND	ND	ND	NS-NW		
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	69	ND	NS-FP	NS-FP	ND	62.2	NS-NW	ND	ND	ND	ND	NS-NW		
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	56.5	ND	NS-FP	NS-FP	ND	70.4	NS-NW	ND	ND	ND	ND	2,140		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	51.0J	ND	NS-FP	NS-FP	ND	69.0J	NS-NW	ND	ND	ND	ND	NS-NW		
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS-FP	NS-FP	<2.0	36.0J	NS-NW	<2.0	<2.0	<2.0	NS-NW			
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	48.4	NS-NW	ND	ND	ND	ND	NS-NW		
Trichloroethene (TCE)	Feb-94	7,160	3,040	1,730	14,300	1,320	45																						
	Nov-00	<2,500	<500	1,500	NS-FP	NS-FP	<500																						
	Oct-01	<100	<20	100	NS-NW	Table 2	<10																						
	Feb-02	20	2.5	260	NS-FP	NS-FP	6.8																						
	Jun-02	<250	<500	134	NS-FP	NS-FP	<25	NS-FP	<100																				
	Oct-02	<200	<20	28	NS-FP	NS-FP	<100	NS-FP	56.6																				
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	50.4	<1,000	<50	<10	77.2	<50	<20	274	3	946	1,740	2.9	55.7								
	Mar-03	NA	<400	1,930	NS-FP	NS-FP	<50	NS-FP	39	<400	<200	<20	28.8	<50	134	400	7.4	610	2,360	1.5	31.7								
	Jun-03	NA	182	806	NS-FP	NS-FP	<50	NS-FP	41.9	<400	<400	<10	72.7	4	13.6	438	6.5	176	3,820	10	95	<20	2.3	2.3	20.4	1,330			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	47	<400	<50	7.5	95.2	12.1	16	2,530	3.9	<200	NS-FP	6.2	180	NS-NW	<2	11.5	25	2,100			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1.7	<400	<400	<5	47	22.6	9.3	NS-FP	7.3	169											

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs	Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26				
1,2,4-Trimethylbenzene	Oct-01	1,590	18.9	345	NS-NW	Table 2	200																							
	Feb-02	2,800	231	668	NS-FP	NS-FP	234																							
	Jun-02	3,850	<500	618	NS-FP	NS-FP	238	NS-FP	<100																					
	Oct-02	2,120	116	299	NS-FP	NS-FP	327	NS-FP	<25																					
	Dec-02	NA	232	356	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	2,120	1,640	<5	270	<50	<250	<5	1,880	2,500	<5	<25									
	Mar-03	NA	380	441	NS-FP	NS-FP	225	NS-FP	<25	1,590	2,950	703	<5	30	<50	238	238	2,490	4,660	<5	<25									
	Jun-03	NA	<200	378	NS-FP	NS-FP	152	NS-FP	<20	1,740	1,400	20	<2	<2	<5	<50	<2	2,070	8,090	19.5	18.5	<20	<2	<2	<2	<100				
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	1,430	1,830	110	<2	<2	<4	<50	<2	1,680	NS-FP	<2	20.5	NS-NW	<2	<2	<2	555				
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	1,640	1,582	498	<2	<4	<5	NS-FP	<2	1,810	NS-FP	33.1	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW				
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	2,060	1,200	<2	<2	15	NS-FP	<2	Table 2	Table 2	<2	30	6.6	Table 5	Table 5	Table 5	1,140				
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	1,410	555	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<2	832				
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	925	769	<2	<2	3.1	NS-FP	<2	NS-FP	NS-FP	<2	151	NS-NW	<2	<2	<2	NA				
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	2,910	473	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2	SM	<2	SM	NS-NW			
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	2,420	<5	NS-FP	1,540	211	<2	<2	<2	3,250	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	SM	<2	SM	984			
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	2,760	<20	6,840	1,720	143	<2	<2	<40	2,210	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	SM	<2	SM	1,180			
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	2,850	43.4	2,510	2,750	78.6	<2	74.5	<2	2,120	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	SM	<2	SM	332			
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	4,200	<20	2,680	2,240	49.6	<2	<2	5.7	1,450	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2	SM	<2	SM	594			
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	2,600	<40	2,140	1,030	12.4	<2	<2	1.2J	968	<2	NS-FP	NS-FP	<2	NS-FP	<100	<2	SM	<2	SM	NA	492J		
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	1,710	<20	2,760	974	4.1J	<2	<4	<10	795	<2	NS-FP	NS-FP	<2	5,510	<20	<2	SM	<2	SM	741			
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	1,510	<20	2,410	6,600	<2	<2	<4	<20	1,120	<2	13,300	NS-FP	<2	2,030	<20	<2	SM	<2	SM	345J			
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	1,540	<20	2,510	1,170	<2	<2	<4	<40	<2	NS-FP	NS-FP	<2	<100	NS-NW	<2	SM	<2	SM	NS-NW				
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	108	ND	2,130	1,520	ND	ND	ND	48.7J	609	ND	6,580	NS-FP	ND	80.0J	ND	ND	ND	ND	ND	ND	436		
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	277	ND	1,480	986	ND	ND	ND	47.2	451	ND	4,360	NS-FP	ND	ND	ND	ND	ND	ND	ND	208			
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	166	ND	1,530	1,280	ND	ND	ND	39.5	547	ND	3,810	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW			
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	1,420	1,290	ND	ND	ND	6.5	406	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW			
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	204	ND	1,550	1,640	ND	ND	ND	ND	ND	ND	423	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	347		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	80.0J	ND	2,160	1,800	21.8	ND	ND	ND	392	ND	NS-FP	NS-FP	ND	ND	ND	ND	ND	ND	ND	NS-NW			
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	47	<2.0	1,560	1,560	2.2J	<2.0	<2.0	<2.0	138J	<2.0	NS-FP	NS-FP	<2.0	<2.0	NS-NW	<2.0	<2.0	<2.0	<2.0	NS-NW			
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	2.5	ND	ND	2.3	31	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW			
1,3,5-Trimethylbenzene	Oct-01	470	62.9	145	NS-NW	Table 2	25																							
	Feb-02	955	57.8	126	NS-FP	NS-FP	45.6																							
	Jun-02	1,170	57.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																					
	Oct-02	574	67.8	57.8	NS-FP	NS-FP	<250	NS-FP	<25																					
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	675	765	<5	1																

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs	Date	MW-1^t	MW-2^t	MW-3^t	MW-4	MW-6	MW-7^t	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
Toluene	Feb-94	560	7,390	579	12,700	15,300	398																					
	Nov-00	4,000	57	3,700	NS-FP	NS-FP	800																					
	Oct-01	2,470	26	5,150	NS-NW	Table 2	975																					
	Feb-02	4,880	26.2	4,520	NS-FP	NS-FP	1,330																					
	Jun-02	6,180	102	4,780	NS-FP	NS-FP	1,280	NS-FP	<20																			
	Oct-02	5,390	39	4,810	NS-FP	NS-FP	2,560	NS-FP	<5																			
	Dec-02	NA	158	5,770	NS-FP	NS-FP	541	NS-FP	<5	19,600	1,230	29.5	1.2	2,840	14.4	<50	<1	1,730	13,500	3.3	6.7							
	Mar-03	NA	<200	2,310	NS-FP	NS-FP	938	NS-FP	<5	12,000	3,830	14.5	<1	230	<10	<25	<1	4,970	11,600	<1	<5							
	Jun-03	NA	<100	2,080	NS-FP	NS-FP	724	NS-FP	<10	10,900	4,620	<5	<1	<1	<2.5	<25	<1	5,510	13,300	7.2	<1	<10	<1	<1	<1	<1	<50	
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	13,800	4,030	<2.5	<1	<1	2	<25	<1	3,700	NS-FP	<1	10	NS-NW	<1	<1	<1	<1	10,500	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	13,300	6,570	9.7	<1	<2	3.2	NS-FP	<1	2,350	NS-FP	14.6	<1	NS-NW	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	6,050	<2.5	<1	<1	54.8	NS-FP	<1	Table 2	Table 2	<1	17.5	16.4	Table 5	Table 5	Table 5	15,200		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	9,000	3.6	<1	<1	43.3	NS-FP	<1	NS-FP	NS-FP	<1	1.7	NS-NW	<1	<1	<1	<1	14,500	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	16,200	1.5	<1	<1	101	NS-FP	<1	NS-FP	NS-FP	<1	94	NS-NW	<1	<1	<1	<1	NA	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	16,300	<1	<1	<2	33.5	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1	<1	<1	<1	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	6,170	4.8	NS-FP	6,580	<2.5	<1	<1	42.2	62.5	<1	NS-FP	NS-FP	<1	NS-FP	22.8	<1	<1	<1	<1	16,900	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	4,510	<10	12,800	7,830	<1	<1	<1	180	149	<1	NS-FP	NS-FP	<1	NS-FP	22.8	<1	<1	<1	<1	14,200	
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	4,290	40.8	11,900	10,700	<1	<1	204	27.5	29.4	<1	NS-FP	NS-FP	<1	NS-FP	34.2	<1	<1	<1	<1	15,400	
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	4,080	<20	15,000	7,400	<1	<1	<2	54.5	<20	<1	NS-FP	NS-FP	1.7	NS-FP	NS-NW	<1	<1	<1	<1	16,400	
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	3,740	<20	11,200	4,400	<1	<1	<1	7.4	<20	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	<1	<1	<1	12,500	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	350	<10	10,500	4,810	<1	<1	<2	79.3	<20	<1	NS-FP	NS-FP	<1	305	<10	<1	<1	<1	<1	17,600	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	67	<10	10,400*	6,360	<1	<1	<2	81.3	<20	<1	3,970	NS-FP	<1	177	<10	<1	<1	<1	<1	8,360	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	153	<10	9,500	5,040	<1	<1	1.4J	165	<20	<1	NS-FP	NS-FP	<1	141	NS-NW	<1	<1	<1	<1	NS-NW	
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	43.2	ND	9,510	5,720	ND	ND	4.4JND	1,760	27.4	ND	9720	NS-FP	ND	9670							
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	80	ND	5,910	5,730	ND	ND	ND	1,430	34	ND	11,500	NS-FP	ND	7,590							
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	112	ND	5,990	4,260	ND	ND	ND	520	ND	ND	7,600	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	100	ND	2,910	4,390	ND	ND	ND	6	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	233	ND	5,460	4,090	ND	ND	ND	1	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	5,860	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	9,130	4,670	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<1.0	<1.0	7,180	5,240	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS-FP	NS-FP	<1.0	<1.0	NS-NW	<1.0	<1.0	<1.0	<1.0	NS-NW	
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	9.3	NS-NW	NS-NW	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW							
Vinyl Chloride	Oct-01	1,350	75	<5	NS-NW	Table 2	188																					
	Feb-02	1,060	197	896	NS-FP	NS-FP	517																					
	Jun-02	<100	<200																									

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ($\mu\text{g/L}$)

VOCs	Date	MW-1 ^t	MW-2 ^t	MW-3 ^t	MW-4	MW-6	MW-7 ^t	MW-8	MW-9	MW-10	MW-11	M	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26			
Xylenes	Feb-94	2,192	7,790	1,014	4,362	4,710	186																						
	Nov-00	3,400	<500	2,500	NS-FP	NS-FP	247																						
	Oct-01	2,770	<2	3,720	NS-NW	Table 2	301																						
	Feb-02	3,760	14.8	3,070	NS-FP	NS-FP	280																						
	Jun-02	5,240	152	3,690	NS-FP	NS-FP	354	NS-FP	<20																				
	Oct-02	3,570	73	2,570	NS-FP	NS-FP	576	NS-FP	<5																				
	Dec-02	NA	355	2,900	NS-FP	NS-FP	121	NS-FP	<5	4,690	748	242	<1	1,760	<10	<50	<1	2,690	3,940	<1	<5								
	Mar-03	NA	316	2,100	NS-FP	NS-FP	318	NS-FP	<10	2,330	1620	28.1	<2	100	<20	<50	<2	4,200	4,960	<2	8.4								
	Jun-03	NA	170	1,760	NS-FP	NS-FP	238	NS-FP	<10	4,590	1,560	<5	<1	<1	<2.5	<25	<1	3,650	6,040	8.3	<1	<10	<1	<1	<1	1,050			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	4,460	1,320	9	<1	<1	<2	<25	<1	2,620	NS-FP	<1	93	NS-NW	<1	<1	<1	6,870			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	4,590	2,020	157	<1	<2	<2.5	NS-FP	<1	2,610	NS-FP	22	91.9	NS-NW	Table 5	Table 5	Table 5	NS-NW			
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	2,170	231	<1	<1	27.3	NS-FP	<1	Table 2	Table 2	<1	175	8.8	Table 5	Table 5	Table 5	9,320			
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	1,930	18.9	<1	<1	9.8	NS-FP	<1	NS-FP	NS-FP	<1	5.3	NS-NW	<1	<1	<1	8,320			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	3,200	150	<1	<1	22.1	NS-FP	<1	NS-FP	NS-FP	<1	200	NS-NW	<1	<1	<1	NA			
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	4,310	2.5	<1	<2	3.5	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SM	<1 SM	<1 SM	NS-NW			
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	4,590	5.5	NS-FP	2,420	53.2	<1	<1	10	544	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1 SM	<1 SM	<1 SM	9,530			
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	4,850	<20	7,600	2,890	35.6	<2	<2	24	297	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	11,800			
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	5,810	45.7	4,290	4,150	17.5	<2	277	5.8	126	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	5,550			
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	5,690	<20	6,490	4,470	8.4	<2	<4	30.8	90.2	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	6,070			
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	4,690	<40	6,080	2,220	<2	<2	<2	3.2J	157	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	NA	5,970		
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	873	<20	6,220	1,450	<2	<2	<4	22.1	56.8	<2	NS-FP	NS-FP	<2	2,800	<20	<2 SM	<2 SM	<2 SM	9,110			
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	511	<20	5,610	3,180	<2	<2	<4	33.5	91.2	<2	10,100	NS-FP	<2	1,560	<20	<2 SM	<2 SM	<2 SM	4,240			
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	550	<20	5,810	2,600	<2	<2	<4	41.9	42	<2	NS-FP	NS-FP	<2	2,120	NS-NW	ND	ND	ND	ND	NS-NW		
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	117	ND	5,320	2,350	ND	ND	ND	388	44.2	ND	6220	NS-FP	ND	95	ND	ND	ND	ND	ND	4080		
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	164	ND	3,300	1,730	ND	ND	ND	345	48	ND	11,100	NS-FP	ND	64.5	ND	ND	ND	ND	ND	2,750		
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	178	ND	3,960	2,640	ND	ND	ND	214	27.5	ND	6,930	NS-FP	ND	59.6	NS-NW	ND	ND	ND	ND	NS-NW		
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	111	ND	3,520	2,710	ND	ND	ND	5.3	48	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW		
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	173	ND	4,020	3,110	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	392	ND	5,280	2,960	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	29.6J	NS-NW	ND	ND	ND	ND	NS-NW		
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	93	<2.0	3,970	2,120	1.3J	<2.0	<2.0	<2.0	<2.0	<2.0	NS-FP	NS-FP	<2.0	38.2J	NS-NW	<2.0	<2.0	<2.0	<2.0	NS-NW		
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	11.7	ND	ND	NS-NW	NS-FP	ND	46.4	NS-NW	ND	ND	ND	ND	NS-NW		

NA= Not Analyzed. ^t = Abandoned Well. SM = SnapSampler Method used for collection (Dec-04: MW-23, MW-24 and MW-25).

NS-FP= Not Sampled Free Product present. NS-NW= Not Sampled Not Enough Water present. Blue= Chemicals stored on-site. Red= Transformation compounds.

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)

	<u>Date</u>	<u>Depth</u>	<u>MW-23</u>	<u>MW-24</u>	<u>MW-25</u>
Screened Interval (feet bg)			71-81	67-77	71-81
DTW (ft)	15-Dec-03		42.65	45.69	47.35
	30-Mar-04		43.25	46.41	48.03
VOCs					
Acetone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Benzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
2-Butanone (MEK)	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Chloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,2-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethene	15-Dec-03	1.5'	6	14.6	7.4
	15-Dec-03	7.5'	6.1	<2	6.2
	30-Mar-04	2.5'	4.4	7.6	7.4
	30-Mar-04	7.5'	4.2	6.6	6.2
cis 1,2-Dichloroethene	15-Dec-03	1.5'	2.4	8.8	3.4
	15-Dec-03	7.5'	<2	5.7	<2
	30-Mar-04	2.5'	<2	11.7	<2
	30-Mar-04	7.5'	<2	11.3	<2

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)

VOCs	Date	Depth	MW-23	MW-24	MW-25
trans 1,2-Dichloroethene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,4 Dioxane	15-Dec-03	1.5'	<50	<50	<50
	15-Dec-03	7.5'	<50	<50	<50
	30-Mar-04	2.5'	<50	<50	<50
	30-Mar-04	7.5'	<50	<50	<50
Ethylbenzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Methylene Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
4-Methyl-2-pentanone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Naphthalene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
n-Propylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Tetrachloroethene	15-Dec-03	1.5'	30.6	75.4	37.1
	15-Dec-03	7.5'	14.8	24.3	37.2
	30-Mar-04	2.5'	38.2	225	30.3
	30-Mar-04	7.5'	37.7	263	24.9

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)

VOCs	Date	Depth	MW-23	MW-24	MW-25
1,1,1-Trichloroethane	15-Dec-03	1.5'	3.2	2.3	<2
	15-Dec-03	7.5'	2.6	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Trichloroethene	15-Dec-03	1.5'	11.3	51.4	38.5
	15-Dec-03	7.5'	7.9	49.3	39.4
	30-Mar-04	2.5'	14.2	74.5	34.9
	30-Mar-04	7.5'	14.7	67.1	18.6
1,2,4-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,3,5-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Toluene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Vinyl Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Xylenes	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
DTW= Depth to Water.					
Depth= Depth above well bottom.					
Blue= Chemicals stored on-site.					
Red= Transformation compounds.					

Table 6. Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7466, 160.1, Colorimetry and Standard Method 4500 (mg/L)

Table 6. (Continued) Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)												
Compound	Date	First Water Wells					Upper A1 Zone Wells					
		MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
Chloride	Jun-03	241		425	70.9	101	92.2	95	96.4	87.9	87.9	
	Sep-03	241		383	57	99	142	106	170	92	142	
	Dec-03	238		344	74.4	106	160	113	106	99.3	135	
	Mar-04	221		441	76.2	92.6	92.6	104	95.3	123	158	
	Jun-04	198		332	78	119	122	102	106	109	116	
	Sep-04	132		334	54.5	123	197	129	102	91.9	129	
	Dec-04	152		158	54.5	103	98	113	98	112	NS-FP	
	Mar-05	253		384	54.5	92.6	123	169	264	215	NS-FP	
	Jun-05	284		287	35.5	115	135	156	121	70.9	NS-FP	
	Sep-05	269		99.3	45.4	96.4	128	121	122	106	NS-FP	
	Dec-05	125	294	65.3	98	45.6	65.3	NA	144	125	114	NS-FP
	Mar-06	114	NA	NA	NA	54.5	103	117	120	120	123	NS-FP
	Jun-06	542	NA	587	120	59.8	92.6	120	177	19.1	117	NA
	Sep-06	788	277	156	135	49.6	38.1	164	163	51.7	120	NA
	Dec-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfide	Jun-03	<0.02		3.68	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Sep-03	<0.05		2.56	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Dec-03	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Mar-04	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Jun-04	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Sep-04	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Dec-04	<0.02		0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP	
	Mar-05	<0.05		0.96	<0.05	<0.05	<0.05	<0.05	0.48	<0.05	<0.05	
	Jun-05	<0.02		0.64	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP	
	Sep-05	<0.03		1.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP	
	Dec-05	0.48	<0.05	<0.05	0.16	<0.05	<0.05	NA	<0.05	<0.05	<0.05	
	Mar-06	<0.05	NA	NA	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Jun-06	16.3	NA	3.52	0.64	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Sep-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	Jun-03	264		7.9	108	214	182	279	206	176	182	
	Sep-03	250		26	85	230	202	285	215	215	230	
	Dec-03	783		16	47	533	399	287	387	501	287	
	Mar-04	595		<1	27.6	262	<1	<1	335	250	<1	
	Jun-04	707		3.49	42	143	603	735	164	81.4	518	
	Sep-04	490		<1	36.5	114	278	95	319	367	192	
	Dec-04	454		<1	28.1	162	112	140	120	195	NS-FP	
	Mar-05	141		<1	32.2	84.4	121	40.4	110	36.6	NS-FP	
	Jun-05	177		<1	68.9	133	170	101	137	83.8	NS-FP	
	Sep-05	119		<1	48.7	84.7	83.9	85.8	71.8	69.1	NS-FP	
	Dec-05	4.82	224	11.4	<1	76.6	98.8	NA	37	76.2	64.4	NS-FP
	Mar-06	2.2	NA	NA	NA	334	764	439	608	732	546	NS-FP
	Jun-06	727	614	0.43	77.9	351	601	443	36.1	80.8	722	NA
	Sep-06	1060	426	4.08	47.4	449	119	500	105	113	429	NS-FP
	Dec-06	1,080	584	9.81	27.6	377	406	446	117	734	529	NA
Nitrate	Jun-03	16.4		8.81	<0.01	27.8	25.1	29.7	27.8	24.2	23.8	
	Sep-03	0.138		<0.01	<0.01	0.027	0.012	0.029	<0.01	0.17	0.019	
	Dec-03	25.5		3.96	1.16	17.4	20.9	25.2	20.1	21.4	22.8	
	Mar-04	22.5		12.7	0.46	19.6	24.1	17.1	18	28.7	20	
	Jun-04	29		8.18	1.24	18	27	32	28.7	25.6	24	
	Sep-04	30.8		8.78	2.81	27.6	20.3	27	23.2	22.1	8.47	
	Dec-04	12.7		5.05	2.97	14.2	21.6	20.4	17.8	16.2	NS-FP	
	Mar-05	11.6		9.57	<0.01	11.9	17.7	19.2	11.9	20.6	NS-FP	
	Jun-05	7.8		4.9	3.1	16.1	18.6	11.8	15.7	18.5	NS-FP	
	Sep-05	5.2		8.96	2.8	21.6	22.2	18.3	14.9	21.8	NS-FP	
	Dec-05	10.8	16.3	4.11	8.2	6.7	12.2	NA	6.86	13.9	17.6	NS-FP
	Mar-06	3.56	NA	NA	NA	16	22.5	21.1	25	33.6	36.3	NS-FP
	Jun-06	13.3	22	6.01	12.6	30.3	22.1	30	13.3	13.1	21.7	NA
	Sep-06	21.5	10	2.83	15.1	18.4	13.5	24.7	16.3	12.7	16.1	NS-FP
	Dec-06	7.44	4.72	3.71	5.73	13.4	9.6	17.2	17.6	16.1	16.7	NA

Table 6. (Continued) Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)												
Compound	Date	First Water Wells						Upper A1 Zone Wells				
		MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
Total Iron	Jun-03	<0.1		10.7	0.16	0.14	<0.1	0.2	0.43	0.22	<0.1	
	Sep-03	<0.05		18.7	0.41	<0.05	<0.05	<0.05	0.26	<0.05	<0.05	
	Dec-03	0.36		30.6	3.65	0.19	0.14	0.38	0.36	0.24	1.2	
	Mar-04	0.15		10.5	4.14	<0.1	<0.1	<0.1	<0.1	0.62	<0.1	
	Jun-04	<0.1		5.6	<0.1	0.12	0.2	0.2	0.15	<0.1	0.2	
	Sep-04	0.12		5.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	
	Dec-04	<0.1		1.65	0.36	0.45	0.4	0.25	0.17	0.13	NS-FP	
	Mar-05	<0.1		1.87	0.25	<0.1	<0.1	0.11	<0.1	<0.1	NS-FP	
	Jun-05	<0.1		0.68	0.17	0.16	<0.1	0.1	<0.1	<0.1	NS-FP	
	Sep-05	<0.1		7.5	1.4	<0.1	<0.1	0.3	<0.1	<0.1	NS-FP	
	Dec-05	0.11	<0.1	0.59	0.61	<0.1	NA	<0.1	<0.1	<0.1	NS-FP	
	Mar-06	6.01	NA	NA	NA	1.05	<0.1	<0.1	<0.1	<0.1	NS-FP	
	Jun-06	77.1	2	9	8.33	0.55	0.74	0.67	0.91	0.58	0.73	NA
	Sep-06	18.4	1	1.2	2.66	0.32	0.16	0.33	1.15	0.15	2.9	NS-FP
	Dec-06	0.61	0.13	7.98	12.5	0.56	<0.1	0.13	0.3	0.23	0.5	NA
Ferrous Iron	Jun-03	<0.05		0.49	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Sep-03	<0.05		9.98	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Dec-03	0.15		2.32	0.73	0.16	0.21	0.21	0.22	0.14	0.17	
	Mar-04	<0.05		2.62	2.25	<0.05	0.31	0.57	<0.05	0.1	0.86	
	Jun-04	<0.05		2.42	0.15	<0.05	0.24	0.17	<0.05	<0.05	0.48	
	Sep-04	<0.05		1.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Dec-04	<0.05		<0.05	0.11	0.19	0.08	0.23	0.07	<0.05	NS-FP	
	Mar-05	<0.05		<0.05	0.25	<0.05	<0.05	0.13	<0.05	<0.05	NS-FP	
	Jun-05	<0.05		0.42	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	NS-FP	
	Sep-05	<0.05		0.42	0.14	0.1	0.1	0.07	0.07	0.09	NS-FP	
	Dec-05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NS-FP
	Mar-06	1.1	NA	NA	NA	0.53	<0.05	<0.05	<0.05	<0.05	<0.05	NS-FP
	Jun-06	2.83	0.23	0.12	0.4	0.15	<0.05	<0.05	<0.05	0.13	0.23	NA
	Sep-06	1.24	0.13	0.06	0.28	0.24	<0.05	<0.05	0.29	0.2	0.18	NS-FP
	Dec-06	0.6	0.07	0.13	0.34	0.16	<0.05	<0.05	0.12	<0.05	0.07	NA
Manganese	Jun-03	<0.1		6.7	1.6	<0.1	<0.1	0.4	<0.1	<0.1	0.43	
	Sep-03	0.07		12.5	2.49	0.66	0.42	0.4	<0.05	0.12	0.64	
	Dec-03	0.15		13.5	1.47	0.22	1.02	1.14	0.23	0.12	1.96	
	Mar-04	0.11		4.71	1.12	0.13	0.15	1.11	0.09	0.14	1.78	
	Jun-04	0.2		6.6	0.9	<0.05	0.2	0.4	<0.05	<0.05	0.1	
	Sep-04	0.54		9.04	1.12	0.12	0.37	1.49	0.08	0.09	1.79	
	Dec-04	0.12		5.19	1.25	<0.05	0.09	0.76	<0.05	<0.05	NS-FP	
	Mar-05	0.49		15	2.52	<0.05	<0.05	3.19	<0.05	0.33	NS-FP	
	Jun-05	0.35		8.85	2.55	0.1	<0.05	3.32	<0.05	0.16	NS-FP	
	Sep-05	0.4		7.94	3.36	0.16	0.37	0.74	0.06	0.3	NS-FP	
	Dec-05	2.07	0.23	2.49	6.05	2.62	0.25	NA	0.2	<0.05	0.4	NS-FP
	Mar-06	2.89	NA	NA	NA	2.39	<0.05	0.06	0.44	<0.05	0.05	NS-FP
	Jun-06	29	2.36	4.84	8.46	3	0.58	0.15	2.75	0.07	0.64	NA
	Sep-06	12.9	1.06	4.6	7.14	3.48	0.31	0.3	0.99	0.18	2.02	NS-FP
	Dec-06	5.41	0.41	4.4	9.14	2.63	0.36	0.15	0.37	0.06	0.4	NA
Ethylene	Mar-04	22.7		1,001	176	<5	255	<5	<5	<5	1,080	
	Jun-04	28.5		2,120	174	<5	<5	15.5	<5	<5	<5	
	Sep-04	30		4,620	46	<5	<5	<5	<5	<5	49	
	Dec-04	10.5		2,580	27	<5	<5	25.5	<5	<5	NS-FP	
	Mar-05	32		2,011	5	<5	<5	31.5	<5	<5	NS-FP	
	Jun-05	<5		7430	33	<5	<5	313	<5	<5	NS-FP	
	Sep-05	<5		916	<5	<5	<5	34	<5	<5	NS-FP	
	Dec-05	804	46	193	1,803	<5	<5	NA	<5	<5	<5	NS-FP
	Mar-06	151	NA	NA	NA	<5	<5	<5	<5	<5	<5	NS-FP
	Jun-06	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA
	Sep-06	21.8	167	675	1,760	<5	6.6	9.9	288	9.4	64.1	NA
	Dec-06	299	545	615	2,380	<5	<5	<5	598	<5	<5	NA

Table 7: Dissolved Metal Sample Results (mg/L)

Dissolved Metals	EPA Method	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MCLs
Antimony	7040	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			0.006
		Feb-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Arsenic	7060	Oct-01	0.026	0.061	<0.005	NS-FP	NS-FP	0.071			0.05
		Feb-02	0.068	0.044	0.006	NS-FP	NS-FP	0.113			
		Jun-02	0.064	0.046	<0.005	NS-FP	NS-FP	0.145	NS-FP	<0.005	
		Oct-02	0.015	0.038	<0.005	NS-FP	NS-FP	0.078	NS-FP	<0.005	
Barium	7080	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			1
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	0.8	0.88	0.51	NS-FP	NS-FP	0.68	NS-FP	0.66	
		Oct-02	0.984	0.962	0.91	NS-FP	NS-FP	0.897	NS-FP	0.683	
Beryllium	7090	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.004
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
		Oct-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
Cadmium	7130	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.005
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Chromium	7190	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.05
		Feb-02	<0.02	<0.02	<0.02	NS-FP	NS-FP	<0.02			
		Jun-02	0.015	0.016	0.016	NS-FP	NS-FP	0.017	NS-FP	0.019	
		Oct-02	0.0188	0.0185	0.02	NS-FP	NS-FP	0.021	NS-FP	0.024	
Cobalt	7200	Oct-01	<0.1	0.12	<0.1	NS-FP	NS-FP	<0.1			None
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	0.23	0.2	0.18	NS-FP	NS-FP	0.11	NS-FP	0.18	
		Oct-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	
Copper	7210	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			1.3
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	
		Oct-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	

Table 7 (cont.): Dissolved Metal Sample Results (mg/L)

Dissolved Metals	EPA Method	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MCLs
Lead	7240	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.05
		Feb-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Mercury	7471	Oct-01	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001			0.002
		Feb-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001			
		Jun-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001	NS-FP	<0.001	
		Oct-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001	NS-FP	<0.001	
Molybdenum	7480	Oct-01	<0.4	<0.4	<0.4	NS-FP	NS-FP	<0.4			0.035*
		Feb-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			
		Jun-02	<0.035	<0.035	<0.035	NS-FP	NS-FP	<0.035	NS-FP	<0.035	
		Oct-02	<0.035	<0.035	<0.035	NS-FP	NS-FP	<0.035	NS-FP	<0.035	
Nickel	7520	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.1
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	0.14	0.17	0.2	NS-FP	NS-FP	0.21	NS-FP	0.18	
		Oct-02	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05	NS-FP	<0.05	
Selenium	7740	Oct-01	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			0.05
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Silver	7760	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.1
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	
		Oct-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	
Thallium	7840	Oct-01	<0.2	<0.2	<0.2	NS-FP	NS-FP	<0.2			0.002
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
		Oct-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
Vanadium	7910	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			0.06*
		Feb-02	0.03	0.05	0.16	NS-FP	NS-FP	0.14			
		Jun-02	<0.06	<0.06	<0.06	NS-FP	NS-FP	<0.06	NS-FP	<0.06	
		Oct-02	<0.06	<0.06	<0.06	NS-FP	NS-FP	<0.06	NS-FP	<0.06	
Zinc	7950	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			5
		Feb-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01			
		Jun-02	0.07	0.04	0.05	NS-FP	NS-FP	0.04	NS-FP	0.23	
		Oct-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	

NS-FP= Not Sampled Free Product present.

MCLs= Maximum Contaminant Levels.

* = Health Advisories.

TABLE 8 FACC Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-1	11/30/2000	Sheen	None	0	0	0
	10/30/2001	Sheen	None	0	0	0
	2/15/2002	0.02	None	0	0	0
	11/13/2002	0.03	None	0	0	0
Mw-1 Total Liters Removed:						0.000
MW-4	10/30/2001	Sheen	None	0	0	0.040
	2/15/2002	0.06	None	0	0	15.165
	10/7/2002	Not measured	None	0	0	26.490
	6/30/2004	0.2	None	0	0	14.751
	7/23/2004	0.17	None	0	0	0.930
	9/16/2004	0.16	Bailer	15 mL	15	42.118
	9/28/2004	0.14	None	0	0	1.558
	10/11/2004	0.14	Bailer	15 mL	15	30
	10/22/2004	0.12	None	0	0	30
	11/1/2004	0.12	None	0	0	30
	11/24/2004	0.12	None	0	0	30
	12/21/2004	0.13	Bailer	10 mL	10	40
	1/4/2005	0.12	None	0	0	40
			None	0	0	40
MW-4 Total Liters Removed:						0.040
Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-6	11/30/2000	Not measured	None	0	0	0
	10/30/2001	0.5	None	0	0	0
	1/18/2002	0.69	Bailer	1.0 gallon	3785	3785
	2/15/2002	0.94	Bailer	0.5 gallon	1892	5677
	6/7/2002	1	Bailer	1.0 gallon	3785	9462
	6/10/2002	0.6	Bailer	0.5 gallon	1892	11354
	6/13/2002	0.34	Bailer	0.5 gallon	1893	13247
	6/14/2002	Not measured	Bailer	0.5 gallon	1893	15140
	10/7/2002	Not measured	None	0	0	15140
	12/2/2002	0.37	None	0	0	15140
	9/16/2004	0.02	None	0	0	15140
	9/28/2004	0.02	None	0	0	15140
	10/11/2004	0.01	None	0	0	15140
	10/22/2004	0.01	None	0	0	15140
	11/1/2004	0.09	None	0	0	15140
	11/24/2004	0.05	None	0	0	15140
	12/21/2004	0.04	Bailer	25 mL	25	15165
	1/4/2005	0.02	None	0	0	15165
			None	0	0	15165
MW-6 Total Liters Removed:						15.165

TABLE 8 FACC Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-8	6/7/2002	0.84	Bailer	2 gallons	7570	7570
	6/10/2002	0.11	None	0	0	7570
	6/13/2002	0.87	Bailer	1 gallon	3785	11355
	6/14/2002	Not Measured	Bailer	3 gallons	11355	22710
	10/7/2002	Not Measured	None	0	0	22710
	12/2/2002	0.44	None	0	0	22710
	12/18/2002	Not Measured	Bailer	1 gallon	3785	26495
	12/18/2002	0.26	Bailer	1 L	1000	23710
	2/8/2004	0.24	Bailer	100 mL	100	23810
	2/10/2004	0.36	Bailer	100 mL	100	23910
	2/11/2004	0.1	None	0	0	23910
	2/13/2004	Not Measured	None	0	0	23910
	2/14/2004	0.15	Bailer	50 mL	50	23960
	2/16/2004	Not Measured	None	0	0	23960
	2/17/2004	0.08	None	0	0	23960
	2/18/2004	0.08	None	0	0	23960
	3/19/2004	0.19	Bailer	150 mL	150	24110
	4/30/2004	0.75	Bailer	250 mL	250	24360
	5/27/2004	0.3	Bailer	50 mL	50	24410
	6/30/2004	0.37	Bailer	50 mL	50	24460
	7/9/2004	0.1	Bailer	10 mL	10	24470
	7/23/2004	0.34	Bailer	20 mL	20	24490
	8/13/2004	0.34	Bailer	50 mL	50	24540
	9/16/2004	0.46	Bailer	250 mL	250	24790
	9/28/2004	0.41	Bailer	300 mL	300	25090
	10/1/2004	0.36	Bailer	350 mL	350	25440
	10/22/2004	0.4	Bailer	400 mL	400	25840
	11/1/2004	0.15	Bailer	75 mL	75	25915
	11/24/2004	0.18	Bailer	50 mL	50	25965
	12/8/2004	0.32	Bailer	250 mL	250	26215
	12/21/2004	0.24	Bailer	150 mL	150	26365
	1/4/2005	0.21	Bailer	125 mL	125	26490
	4/2/2005	0		0	0	No Sheen
MW-8 Total Liters Removed:						26.490

TABLE 8 FACC Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-10	3/19/2004	0.29	Bailer	0.25 gallons	946	946
	4/30/2004	0.4	Bailer	100 mL	100	1046
	5/27/2004	0.82	Bailer	0.5 gallons	1893	2939
	6/30/2004	0.51	Bailer	0.25 gallons	946	3885
	7/9/2004	0.12	Bailer	15 mL	15	3900
	7/23/2004	0.26	Bailer	10 mL	10	3910
	8/13/2004	1.18	Bailer	1 gallon	3785	7695
	9/16/2004	1.43	Bailer	1.25 gallons	4731	12426
	9/28/2004	0.57	Bailer	500 mL	500	12926
	10/11/2004	0.54	Bailer	600 mL	600	13526
	10/22/2004	0.63	Bailer	500 mL	500	14026
	11/11/2004	0.29	Bailer	200 mL	200	14226
	11/24/2004	0.2	Bailer	75 mL	75	14301
	12/8/2004	0.15	Bailer	50 mL	50	14351
	12/21/2004	0.18	Bailer	100 mL	100	14451
	1/4/2005	0.11	Bailer	500 mL	50	14501
	1/20/2005	0.11	Bailer	100 mL	100	14601
	2/1/2005	0.12	Bailer	100 mL	100	14701
	2/16/2005	0.06	Bailer	50 mL	50	14751
	3/11/2005	0.01		0	0	14751
	4/2/2005	0		0	0	No Sheen
					MW-10 Total Liters Removed:	14.751
MW-16	1/29/2004	0.51	None	0	0	0
	2/8/2004	0.51	Bailer	250 mL	250	250
	2/10/2004	0.37	Bailer	150 mL	150	400
	2/11/2004	0.29	Bailer	100 mL	100	500
	2/13/2004	Not Measured	None	0	0	500
	2/14/2004	Not Measured	None	0	0	500
	2/16/2004	Not Measured	None	0	0	500
	2/17/2004	Not Measured	None	0	0	500
	2/18/2004	Not Measured	None	0	0	500
	3/19/2004	0.19	Bailer	150 mL	150	650
	4/30/2004	0.41	Bailer	100 mL	100	750
	5/27/2004	0.08	Bailer	25 mL	25	775
	6/30/2004	0.34	Bailer	25 mL	25	800
	7/9/2004	0.24	Bailer	10 mL	10	810
	7/23/2004	0.24	Bailer	10 mL	10	820
	8/13/2004	0.28	Bailer	50 mL	50	870
	9/16/2004	0.12	Bailer	20 mL	20	890
	9/28/2004	0.13	Bailer	20 mL	20	910
	10/11/2004	0.06	None	0	0	910
	10/22/2004	0.11	Bailer	15 mL	15	925
	11/11/2004	0.04	None	0	0	925
	11/24/2004	0.02	None	0	0	925
	12/21/2004	0.03	Bailer	5 mL	5	930
					MW-16 Total Liters Removed:	0.930

TABLE 8 FACC Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-18	1/29/2004	5.15	?	?	0	0
	2/8/2004	4.96	Bailer	4.5 gallons	17033	17033
	2/10/2004	3.76	Bailer	3 gallons	11355	28388
	2/11/2004	3.92	Pump	3.25 gallons	12301	40689
	2/13/2004	3.86	Pump	3.25 gallons	12301	52990
	2/14/2004	4.3	Pump	4.5 gallons	17033	70023
	2/16/2004	4	Pump	3.75 gallons	14194	84217
	2/17/2004	3.8	Pump	3.5 gallons	13248	97465
	2/19/2004	3.3	Pump	3 gallons	11355	108820
	3/4/2004	Not Measured	Pump	3 gallons	11355	120175
	3/5/2004	Not Measured	Pump	1.5 gallons	5678	125853
	3/9/2004	2.96	Pump	4 gallons	15140	140993
	3/10/2004	Not Measured	Pump	1 gallon	3785	144778
	3/19/2004	2.77	Bailer	3 gallons	11355	156133
	4/30/2004	3.5	Bailer	3.75 gallons	14194	170327
	5/27/2004	4.6	Bailer	2.5 gallons	9463	179790
	6/30/2004	2.99	Bailer	1.5 gallons	5678	185468
	7/9/2004	1.75	Bailer	1.0 gallon	3785	189253
	7/23/2004	2.04	Bailer	1.0 gallon	3785	193038
	8/13/2004	1.65	Bailer	0.75 gallons	2839	195877
	9/16/2004	0.23	Bailer	100 mL	100	195977
	9/28/2004	0.02	None	0	0	195977
	10/1/2004	0.02	None	0	0	195977
	10/22/2004	0.02	None	0	0	195977
	11/1/2004	0.22	Bailer	75 mL	75	196052
	11/24/2004	0.79	Bailer	500 mL	500	196552
	12/8/2004	0.96	Bailer	600 mL	600	197152
	12/21/2004	0.91	Bailer	600 mL	600	197752
	1/4/2005	1.22	Bailer	700 mL	700	198452
	1/20/2005	0.36	Bailer	200 mL	200	198652
	2/1/2005	0.66	Bailer	350 mL	350	199002
	2/16/2005	0.58	Bailer	300 mL	300	199302
	3/11/2005	0.13	Bailer	50 mL	50	199352
	4/2/2005	0.34	Bailer	200 mL	200	199552
	4/5/2005	0.04	Skimmer	380 mL	380	199932
	4/7/2005	0.04	Skimmer	380 mL	380	200312
	4/9/2005	0.04	Skimmer	380 mL	380	200692
	4/11/2005	0.04	Skimmer	380 mL	380	201072
	4/13/2005	0.04	Skimmer	380 mL	380	201452
	4/15/2005	0.04	Skimmer	380 mL	380	201832
	4/19/2005	0.04	Skimmer	380 mL	380	202212
	4/20/2005	0.04	Skimmer	380 mL	380	202592
	4/22/2005	0.04	Skimmer	380 mL	380	202972
	4/25/2005	0.04	Skimmer	380 mL	380	203352
	4/27/2005	0.04	Skimmer	380 mL	380	203732
	4/29/2005	0.04	Skimmer	380 mL	380	204112
	5/4/2005	0.04	Skimmer	380 mL	380	204492
	5/6/2005	0.04	Skimmer	380 mL	380	204872
	5/10/2005	0.03	Skimmer	300 mL	300	205172
	5/13/2005	0.03	Skimmer	300 mL	300	205472
	5/18/2005	0.03	Skimmer	300 mL	300	205772
	5/21/2005	0.03	Skimmer	200 mL	200	205972
	5/27/2005	0.04	Skimmer	200 mL	200	206172
	6/3/2005	0.04	Skimmer	100 mL	100	206272
	6/11/2005	0.03	Skimmer	100 mL	100	206372
	6/18/2005	0.04	Skimmer	100 mL	100	206472
	6/25/2005	0.04	Skimmer	100 mL	100	206572
	7/2/2005	0.03	Skimmer	100 mL	100	206672
	7/9/2005	0.03	Skimmer	100 mL	100	206772
	7/16/2005	0.03	Skimmer	100 mL	100	206872
	7/16/2005	0.03	Skimmer	100 mL	100	206972
	7/23/2005	0.03	Skimmer	100 mL	100	207072
	7/30/2005	0.03	Skimmer	100 mL	100	207172
	8/6/2005	0.03	Skimmer	100 mL	100	207272
	8/13/2005	0.03	Skimmer	100 mL	100	207372
	8/20/2005	0.03	Skimmer	100 mL	100	207472
	8/27/2005	0.02	Skimmer	100 mL	100	207572
	9/3/2005	0.02	Skimmer	100 mL	100	207672
	9/10/2005	0.02	Skimmer	50 mL	50	207722
	9/19/2005	0.03	Skimmer	50 mL	50	207772
	10/1/2005	0.03	Skimmer	50 mL	50	207822
	10/8/2005	0.02	Skimmer	50 mL	50	207872
	10/15/2005	0.02	Skimmer	50 mL	50	207922
	10/24/2005	0.02	Skimmer	50 mL	50	207972
	10/31/2005	0.02	Skimmer	50 mL	50	208022
	11/12/2005	Sheen	Skimmer	0 mL	0	208022
	3/11/2006	Sheen	Skimmer	25mL	25	208047
	6/16/2006	Sheen	Skimmer	0	0	208047
	12/18/2007	0.65	Bailer	200mL	200	208247
	12/28/2007	0.88	Bailer	220 mL	220	208467
	3/13/2008	Sheen	Bailer	20 mL	20	208487
	6/17/2008	Sheen	Skimmer	30mL	30	208517
	9/18/2008	Sheen	Skimmer	286mL	285	208802
	12/8/2008	Sheen	Skimmer	145mL	145	208947

MW-18 Total Liters Removed: 208.947

TABLE 8 FACC Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-19	1/29/2004	1.75	Bailer ?	0	0	
	2/8/2004	0.43	Bailer	200 mL	200	200
	2/10/2004	0.7	Bailer	300 mL	300	500
	2/11/2004	0.27	Pump	100 mL	100	600
	2/13/2004	Not Measured	None	0	0	600
	2/14/2004	0.6	Pump	250 mL	250	850
	2/16/2004	0.3	Pump	100 mL	100	950
	2/17/2004	0.25	Pump	100 mL	100	1050
	2/18/2004	0.23	Pump	100 mL	100	1150
	3/19/2004	1.51	Bailer	0.75 gallons	2839	3989
	4/30/2004	2.05	Bailer	1.25 gallons	4731	8720
	5/27/2004	2.2	Bailer	1.25 gallons	4731	13451
	6/30/2004	2.04	Bailer	1 gallon	3785	17236
	7/9/2004	1.1	Bailer	0.5 gallons	1893	19129
	7/23/2004	0.77	Bailer	0.4 gallons	1514	20643
	8/13/2004	1.07	Bailer	0.5 gallons	1893	22535
	9/16/2004	1.38	Bailer	0.5 gallons	1893	24428
	9/28/2004	0.94	Bailer	400 mL	400	24828
	10/11/2004	0.75	Bailer	450 mL	450	25278
	10/22/2004	0.53	Bailer	250 mL	250	25528
	11/11/2004	0.66	Bailer	450 mL	450	25978
	11/24/2004	0.78	Bailer	500 mL	500	26478
	12/8/2004	0.88	Bailer	500 mL	500	26978
	12/21/2004	1	Bailer	600 mL	600	27578
	1/4/2005	1.05	Bailer	600 mL	600	28178
	1/20/2005	0.95	Bailer	500 mL	500	28678
	2/1/2005	0.65	Bailer	375 mL	375	29053
	2/16/2005	0.5	Bailer	300 mL	300	29353
	3/1/2005	0.35	Bailer	100 mL	100	29453
	4/2/2005	0.42	Bailer	250 mL	250	29703
	4/5/2005	0.04	Skimmer	380 mL	380	30083
	4/7/2005	0.04	Skimmer	380 mL	380	30463
	4/9/2005	0.04	Skimmer	380 mL	380	30843
	4/11/2005	0.04	Skimmer	380 mL	380	31223
	4/13/2005	0.04	Skimmer	380 mL	380	31603
	4/15/2005	0.04	Skimmer	380 mL	380	31983
	4/19/2005	0.04	Skimmer	380 mL	380	32363
	4/20/2005	0.04	Skimmer	380 mL	380	32743
	4/22/2005	0.04	Skimmer	380 mL	380	33123
	4/25/2005	0.04	Skimmer	380 mL	380	33503
	4/27/2005	0.04	Skimmer	380 mL	380	33883
	4/29/2005	0.04	Skimmer	380 mL	380	34263
	5/4/2005	0.04	Skimmer	380 mL	380	34643
	5/6/2005	0.04	Skimmer	380 mL	380	35023
	5/10/2005	0.03	Skimmer	300 mL	300	35323
	5/13/2005	0.03	Skimmer	300 mL	300	35623
	5/18/2005	0.03	Skimmer	300 mL	300	35923
	5/21/2005	0.03	Skimmer	200 mL	200	36123
	5/27/2005	0.05	Skimmer	200 mL	200	36323
	6/3/2005	0.04	Skimmer	300 mL	300	36623
	6/11/2005	0.04	Skimmer	200 mL	200	36823
	6/18/2005	0.04	Skimmer	200 mL	200	37023
	6/25/2005	0.04	Skimmer	200 mL	200	37223
	7/2/2005	0.03	Skimmer	200 mL	200	37423
	7/9/2005	0.03	Skimmer	200 mL	200	37623
	7/16/2005	0.03	Skimmer	200 mL	200	37823
	7/16/2005	0.03	Skimmer	200 mL	200	38023
	7/23/2005	0.03	Skimmer	200 mL	200	38223
	7/30/2005	0.03	Skimmer	200 mL	200	38423
	8/6/2005	0.03	Skimmer	200 mL	200	38623
	8/13/2005	0.03	Skimmer	200 mL	200	38823
	8/20/2005	0.03	Skimmer	200 mL	200	39023
	8/27/2005	0.02	Skimmer	150 mL	150	39173
	9/3/2005	0.02	Skimmer	150 mL	150	39323
	9/10/2005	0.02	Skimmer	150 mL	150	39473
	9/19/2005	0.03	Skimmer	150 mL	150	39623
	10/1/2005	0.03	Skimmer	150 mL	150	39773
	10/8/2005	0.02	Skimmer	100 mL	100	39873
	10/15/2005	0.02	Skimmer	100 mL	100	39973
	10/24/2005	0.02	Skimmer	100 mL	100	40073
	10/31/2005	0.02	Skimmer	100 mL	100	40173
	11/12/2005	0.02	Skimmer	250 mL	250	40423
	12/12/2005	0.02	Skimmer	200 mL	200	40623
	1/12/2006	0.01	Skimmer	150 mL	150	40773
	2/11/2006	0.01	Skimmer	150 mL	150	40923
	3/11/2006	0.01	Skimmer	125 mL	125	41048
	4/22/2006	Sheen	Skimmer	100ml	100	41148
	5/20/2006	Sheen	Skimmer	100 ml	100	41248
	6/16/2006	Sheen	Skimmer	60 ml	60	41308
	9/19/2006	0.05	Skimmer	40 ml	40	41348
	12/7/2006	0.01	Skimmer	25ml	25	41373
	3/19/2007	0.005	Skimmer	20 ml	20	41393
	6/27/2007	0.0005	Skimmer	30 ml	30	41423
	9/26/2007	Sheen	Skimmer	20	20	41443
	12/18/2007	Sheen	Skimmer	20	20	41463
	3/13/2008	Sheen	Skimmer	5mL	5	41468
	6/17/2008	Sheen	Skimmer	30mL	30	41498
	09/18/2008	Sheen	Skimmer	320mL	320	41818
	12/8/2008	Sheen	Skimmer	300mL	300	42118
MW-19 Total Liters Removed: 42.118						
MW-21	12/8/2004	2.98	Bailer	1500 mL	1500	
	12/13/2004	0.22	Bailer	50 mL	50	1550
	12/21/2004	0.04	Bailer	5 mL	5	1555
	1/4/2005	0.04	None	0	0	1555
	2/1/2005	0.002	Bailer	3 mL	3	1558
	4/2/2005	0		0	0	No Sheen
MW-21 Total Liters Removed: 1.558						
MW-22	2/10/2004	0.04	None	0	0	0
MW-22 Total Liters Removed: 0.000						
GRAND TOTAL REMOVED: 309.999 LITERS						

Figure 15 Free Product Removal To Date

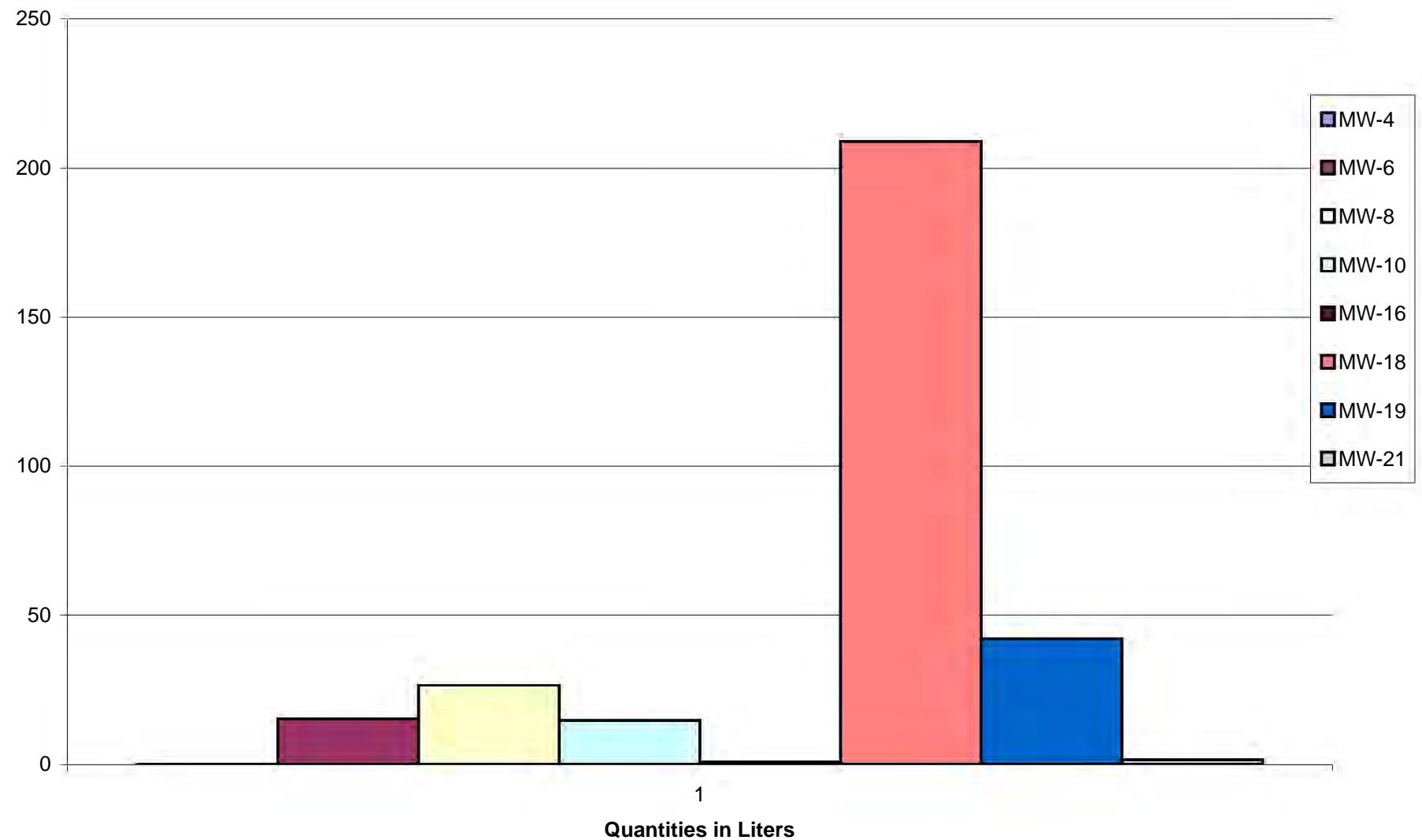


Table 9
Soil Vapor Extraction Results from Operations

Quarter	Average of VOC Concentrations Measured ^{*1}	Averaged Flow Rate ^{*2}	Run Time ^{*3}	Molecular Weight of Vapor ^{*4}	Molar Volume of Air ^{*5}	VOCs Extracted		
						VOCs Extracted		(lb/Quart)
	C _{voc}	FR	RT	MwV	MvA	VOC Rate	VOC	
	(ppmv)	(scfm)	(hours)	(lb/lbmole)	(ft ³ /lbmole)	(lb/min)	(lb/hr)	
4th 2005	751	247	1384	103.5	358	0.0536	3.22	4455
1st 2006	580	222	1791	103.5	358	0.0372	2.23	3996
2nd 2006	405	262	1757	103.5	358	0.0307	1.84	3238
3rd 2006	295	276	1888	103.5	358	0.0235	1.41	2661
4th 2006	124	257	1501	103.5	358	0.00919	0.551	828

Total Mass (lbs) of VOCs Extracted by Thermal Oxidizer Based SVE System 15,178

*6

1st 2007	system down							
2nd 2007	system down							
3rd 2007	system down							
4th 2007	330	170	1402	125.7	358	0.01972	1.183	1,659
1st 2008	227	191	1560	125.7	358	0.01520	0.912	1,422
2nd 2008	13	120	96	125.7	358	0.00053	0.032	3
3rd 2008	10	120	2232	125.7	358	0.00042	0.025	56
4th 2008	167	120	2208	125.7	358	0.007	0.42218	932

Total Mass (lbs) of VOCs Extracted by Carbon Based SVE System 4,073

Notes

- *1 Averaged VOC Concentration = Average of PID values measured during the quarter
- *2 Averaged Flow Rate (FR) = Calculated flow rate of SVE system (In CFM) averaged over the quarter
- *3 Run Time (RT) = Total number of hours as recorded from monitoring logs for the quarter.
- *4 Avg Molecular weight of VOC vapor (MwV) in pounds per pound-mole based on Jan 22, Feb 17 and March 9th, 2006 samples
- *5 Molar Volume of Air (MvA) = 358 cubic foot per pound-mole of Air at STP
- *6 Avg Molecular weight of VOC vapor (MwV) in pounds per pound-mole based on Oct 12 and Nov 12, 2007 samples

Formulas Used for Extraction Calculation

$$\text{VOCC} \times \text{FR} \times \text{MwV} / \text{MvA} \times 1,000,000 = \text{VOC Rate (lbs/min)}$$

$$\text{VOC Rate (lb/hr)} \times \text{RT} = \text{VOC (lbs/Quarter)}$$

APPENDIX A

FIELD SAMPLING LOGS

WELL GAUGING DATA

CLEAN SOIL INC.

DATE: 12-08-2008

PAGE 1 of 2

SITE: FORMER ANGELES CHEMICAL FACILITY

TECHNICIAN MH Slater

SITE ADDRESS: 8915 SORENSEN AVE. SANTA FE SPRINGS, CA.

WELL ID.	WELL SIZE	TIME	SHEEN/ ODOR	DEPTH TO IMMISSIBLES	THICKNESS OF LAYER	DEPTH TO WATER	DEPTH TO WELL BOTTOM	Product
Trip Blank		0700						✓
MW-4	4"	DRY	—	—	—	DRY	—	—
MW-6	4"	—	—	—	—	DRY	—	—
MW-8	4"	—	—	—	—	DRY	—	—
MW-9	4"	0915	Ø	Ø	Ø	40.90	Ø	—
MW-10	4"	0845	Ø	Ø	Ø	37.22	Ø	DRY
MW-11	2"	1005	Ø	Ø	Ø	37.22	Ø	DRY
MW-12	2"	1210	Ø	Ø	Ø	37.63	Ø	—
MW-13	2"	1200	Ø	Ø	Ø	51.80	Ø	—
MW-14	2"	1025	Ø	Ø	Ø	52.66	Ø	—
MW-15	2"	1110	Ø	Ø	Ø	53.94	Ø	—

WELL GAUGING DATA

CLEAN SOIL INC.

DATE: 12-08-2008

PAGE 2 of 2

SITE: FORMER ANGELES CHEMICAL FACILITY

TECHNICIAN MT Slaten

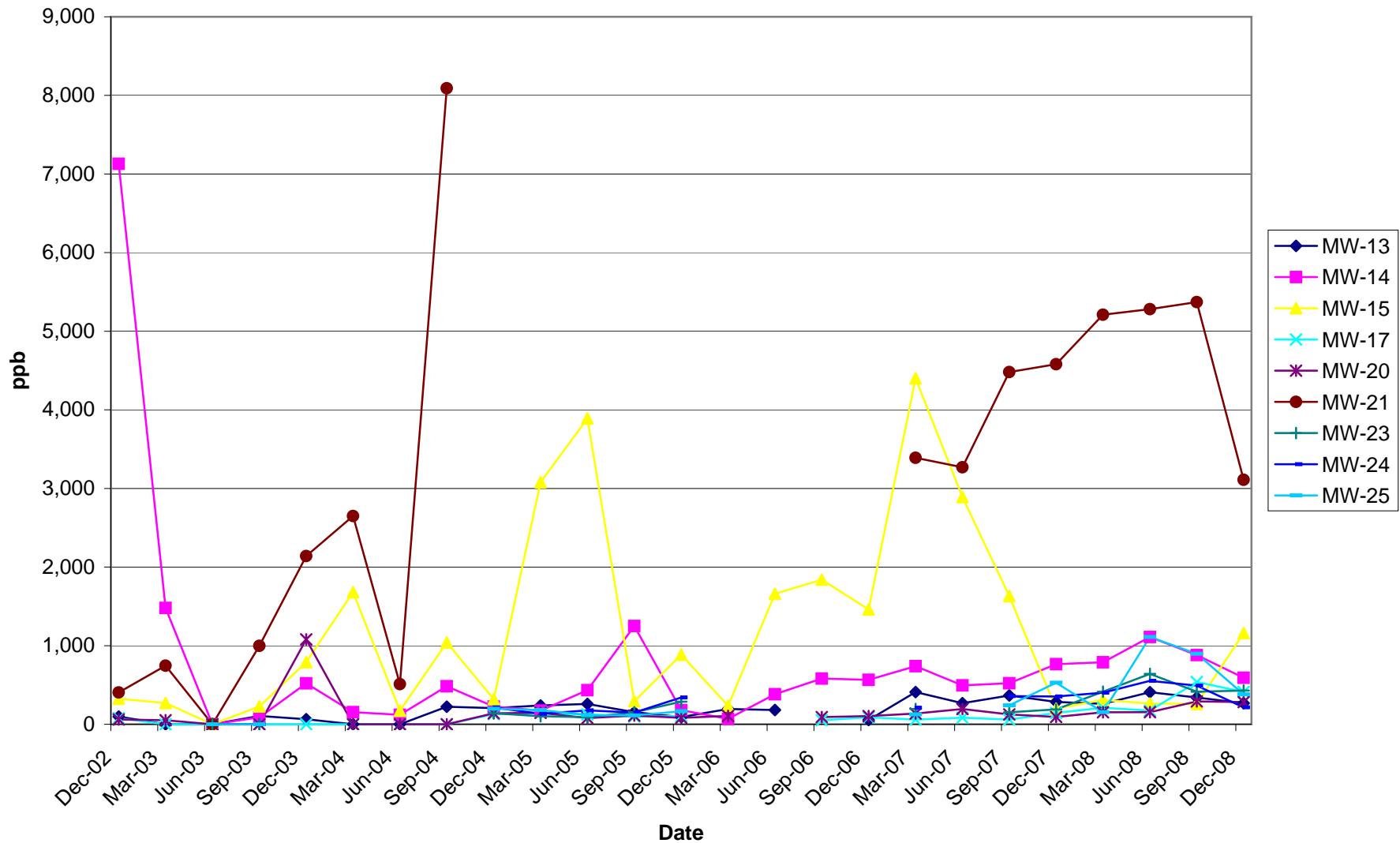
SITE ADDRESS: 8915 SORENSEN AVE. SANTA FE SPRINGS, CA

WELL ID.	WELL SIZE	TIME	SHEEN/ODOR	DEPTH TO IMMISSIBLES	THICKNESS OF LAYER	DEPTH TO WATER	DEPTH TO WELL BOTTOM	<u>Product</u>
MW-16	2"	0805	Ø	Ø	Ø	40.51	Ø	↓
MW-17	2"	0735	Ø	Ø	Ø	50.45	Ø	—
MW-18	2"	NA	✓	NA	sheen	Ø	250 ml	—
MW-19	2"	NA	✓	42.94	sheen	42.94	300 ml	—
MW-20	2"	0950	Ø	Ø	Ø	51.54	Ø	—
MW-21	2"	1130	Ø	Ø	Ø	52.53	Ø	—
MW-22	2"	NA	Ø	Ø	Ø	Ø	Ø	DRY
MW-23	4"	0745	Ø	Ø	Ø	49.43	Ø	—
MW-24	4"	0830	Ø	Ø	Ø	52.26	Ø	—
MW-25	4"	1050	Ø	Ø	Ø	54.02	Ø	—
MW-26	2"	1045	Ø	Ø	Ø	36.70	Ø	DRY

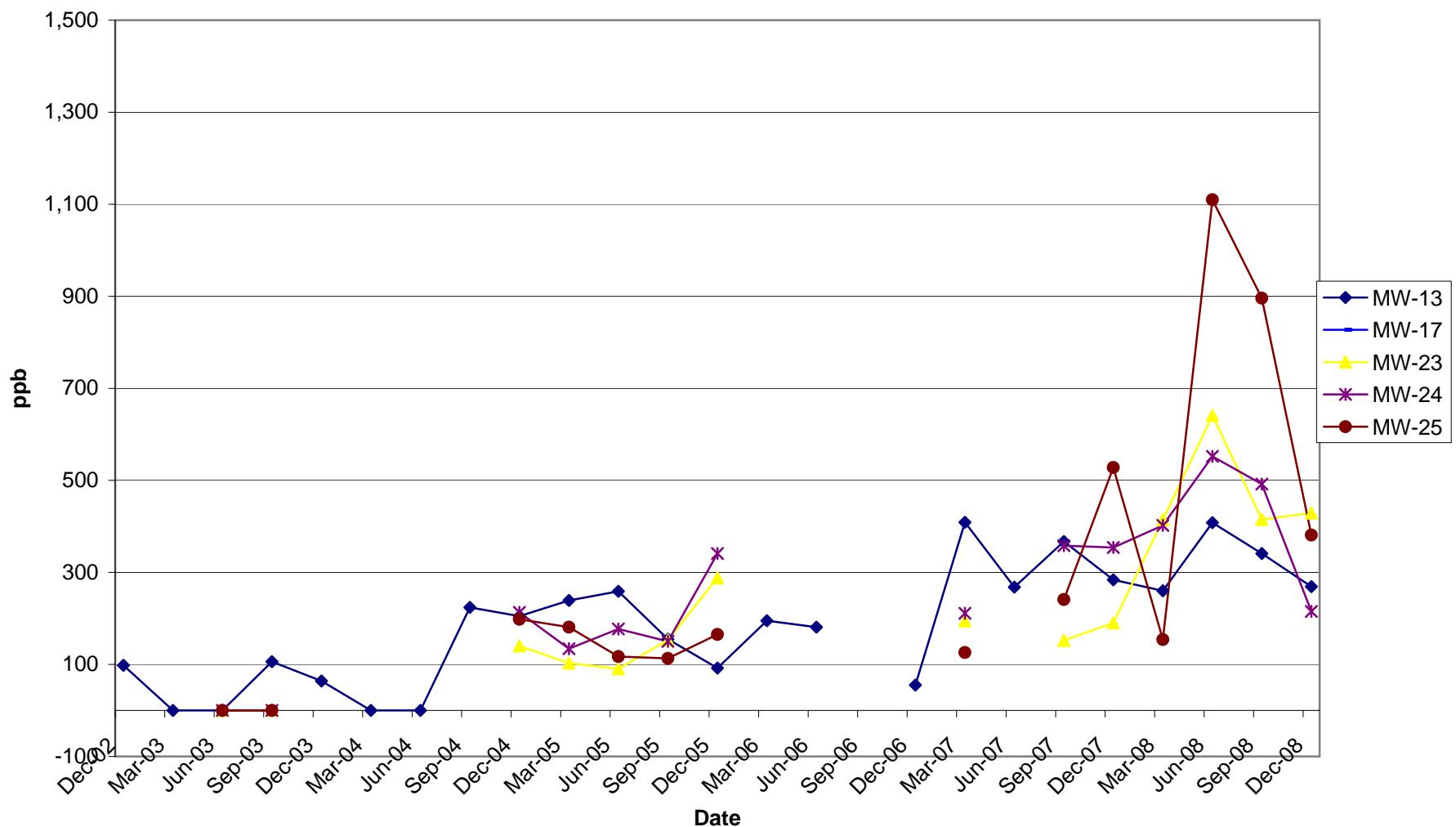
APPENDIX B

CONTAMINANT GRAPHS

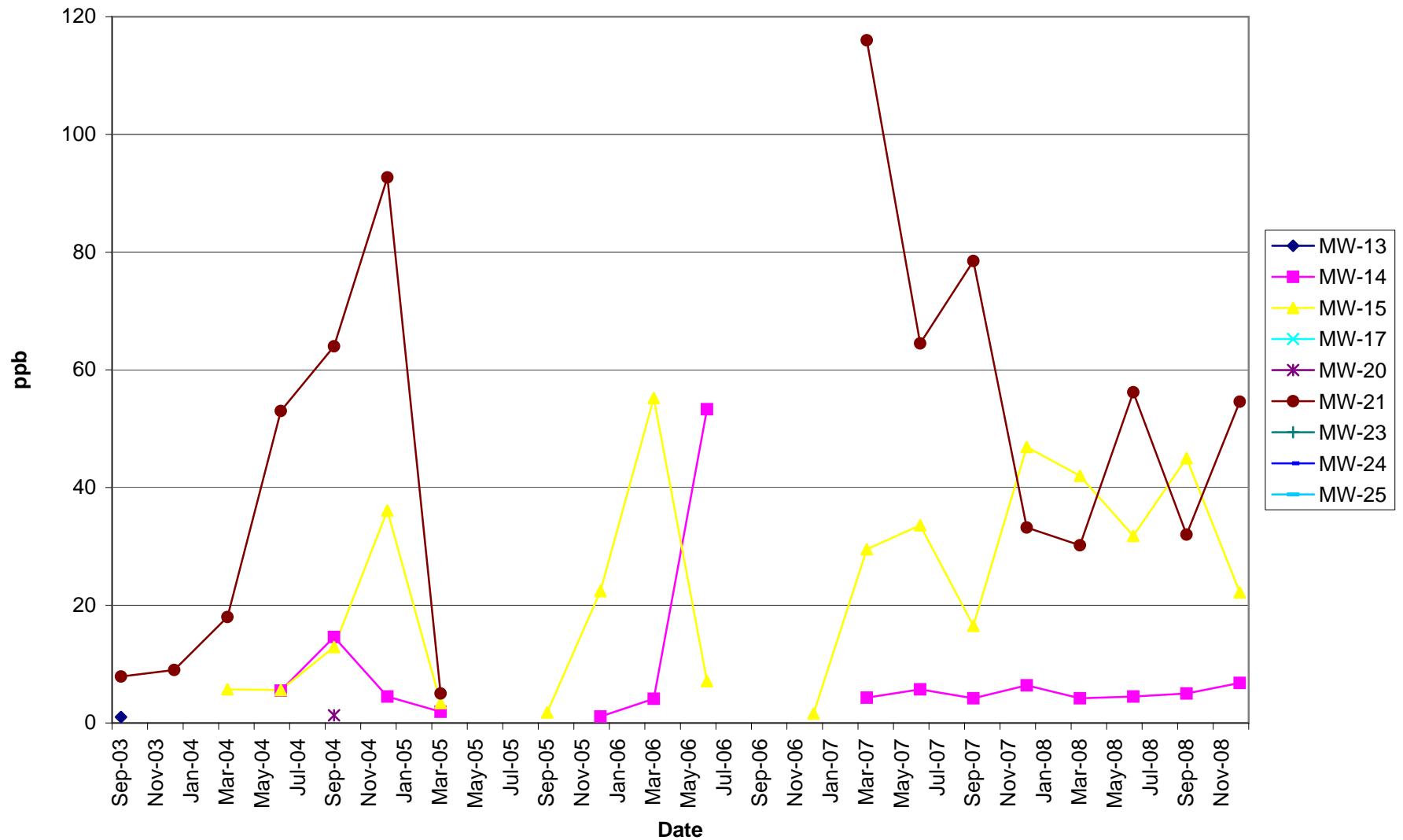
Dissolved TPH-gas in A1 Wells



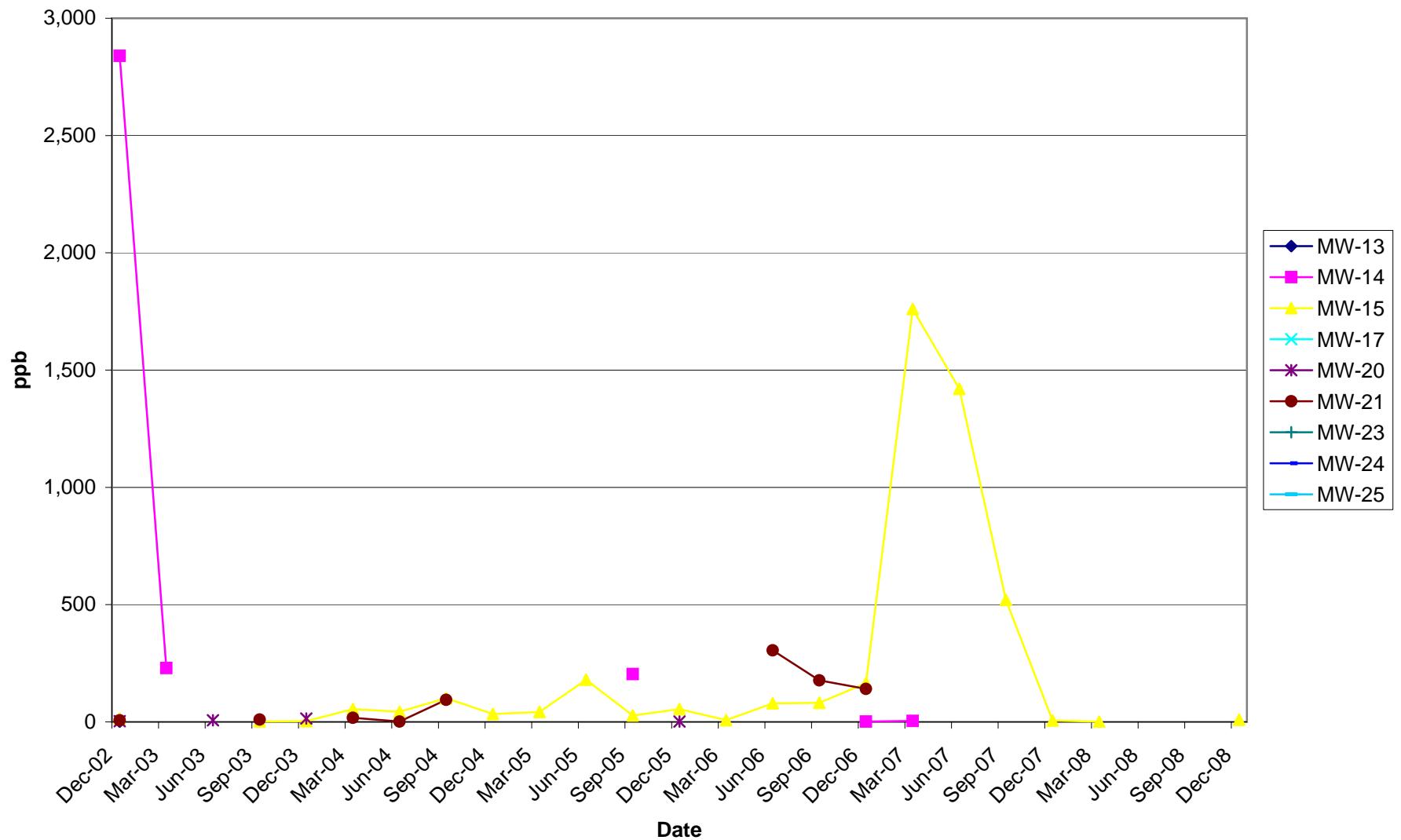
Dissolved TPH-gas in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)



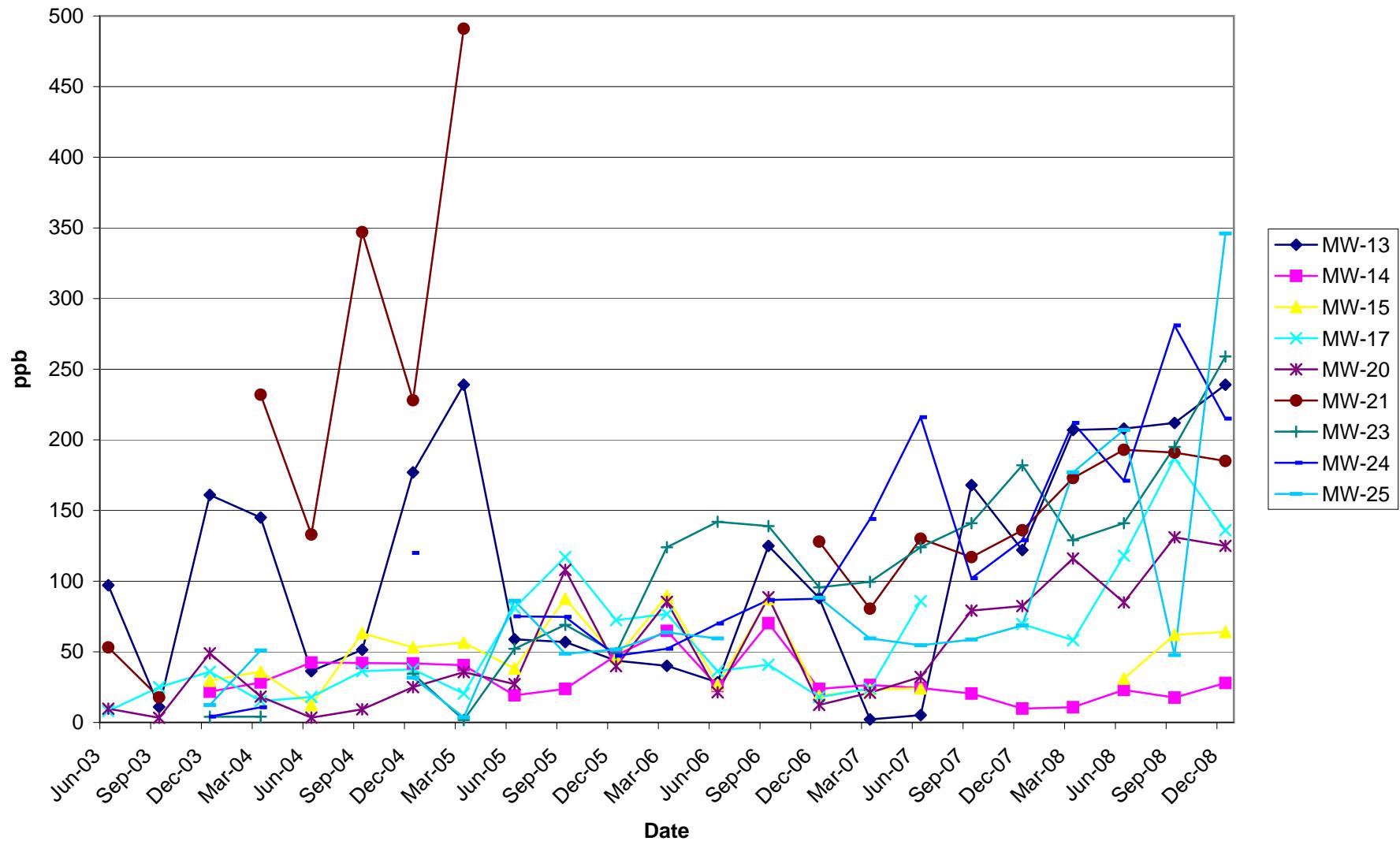
Dissolved Benzene in A1 Wells



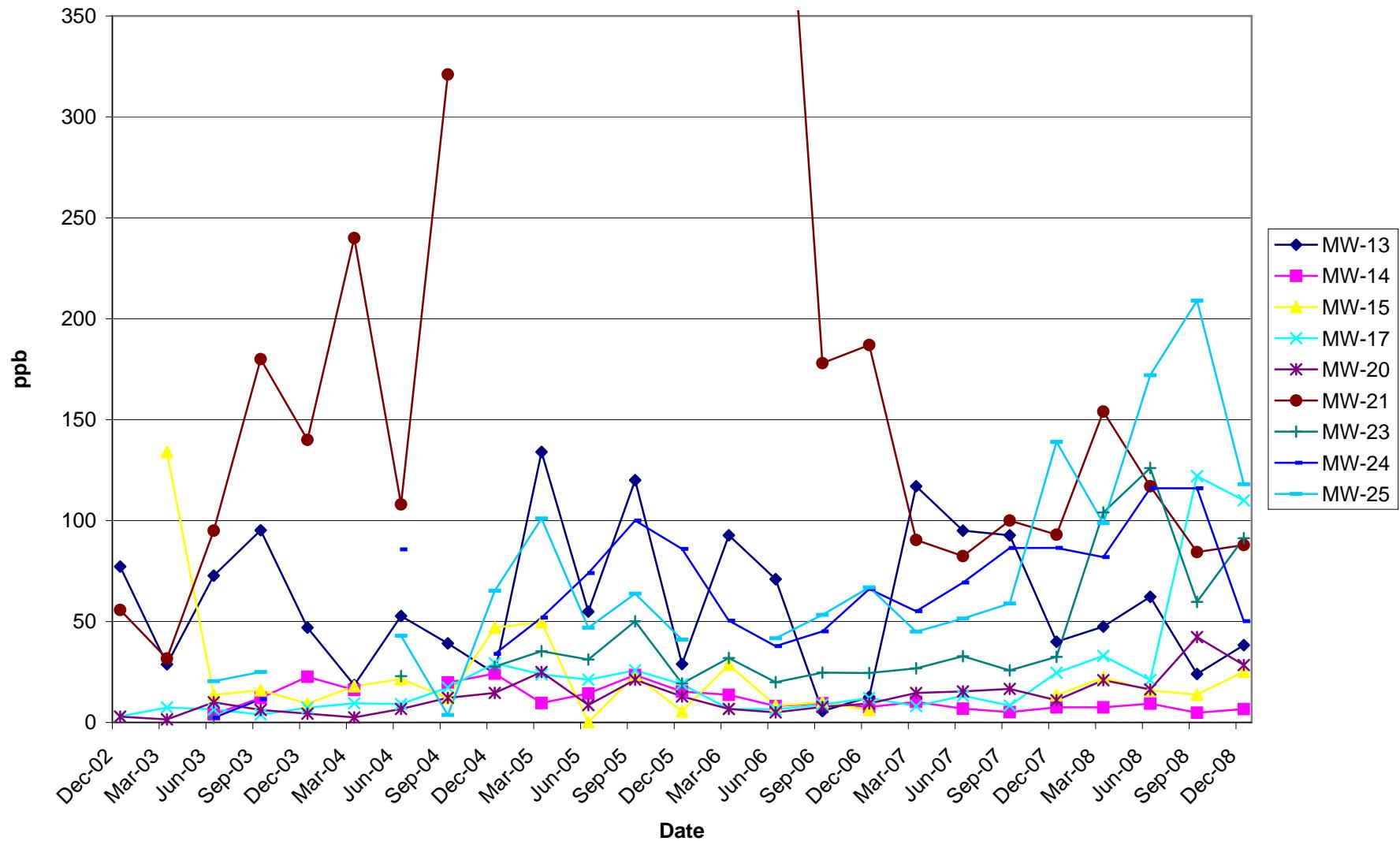
Dissolved Toluene in A1 Wells



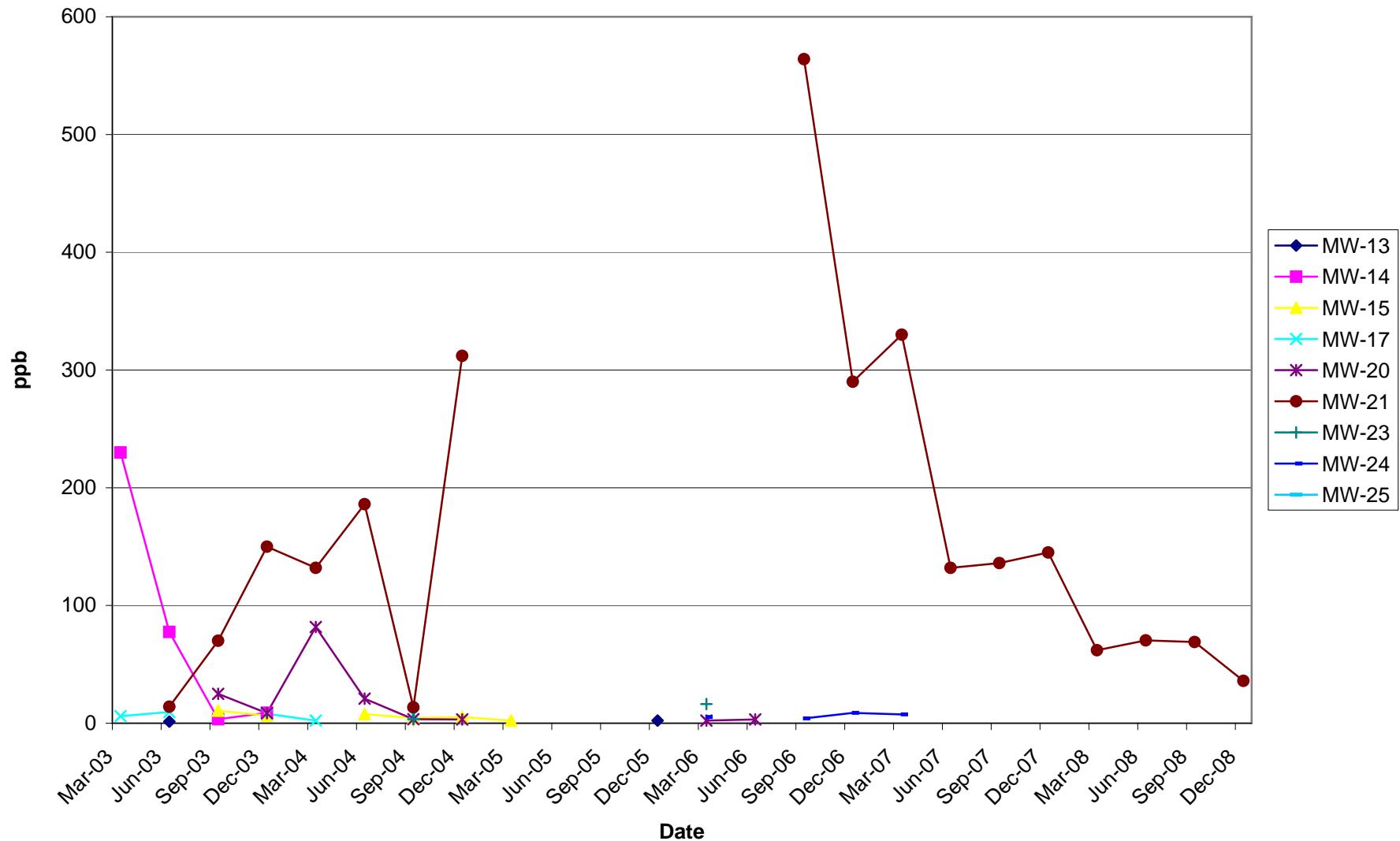
Dissolved PCE in A1 Wells



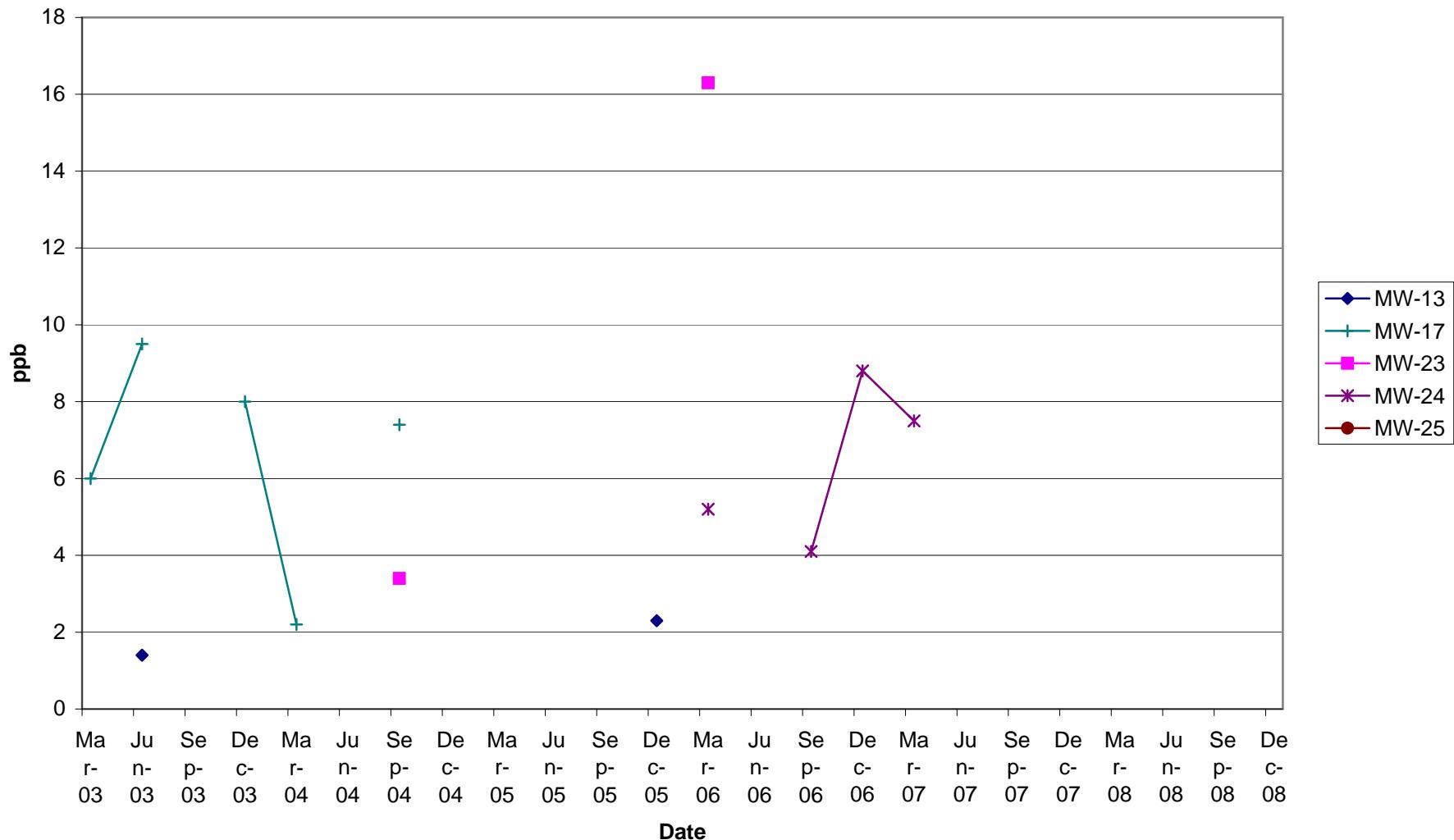
Dissolved TCE in A1 Wells



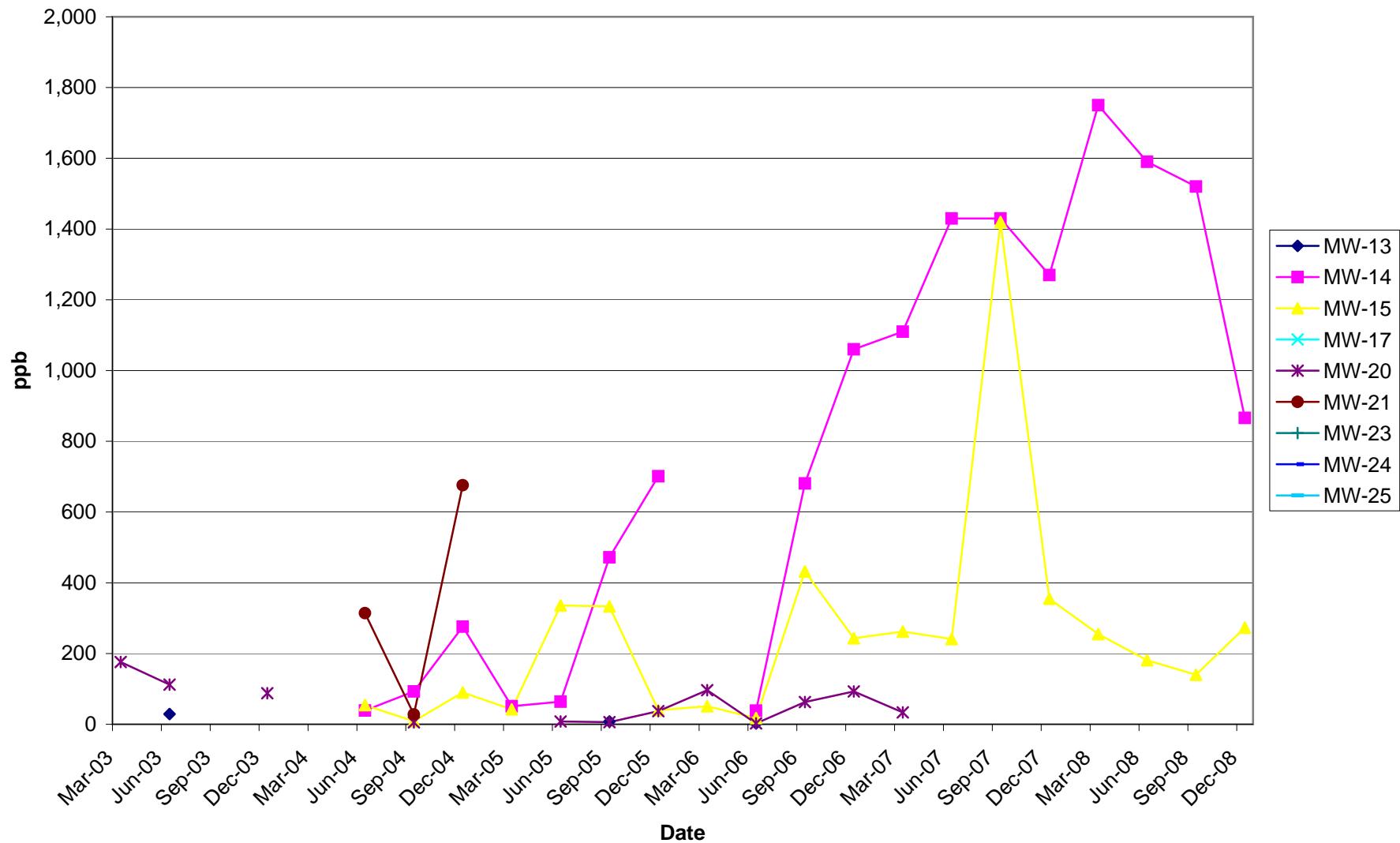
Dissolved 1,1,1-TCA in A1 Wells



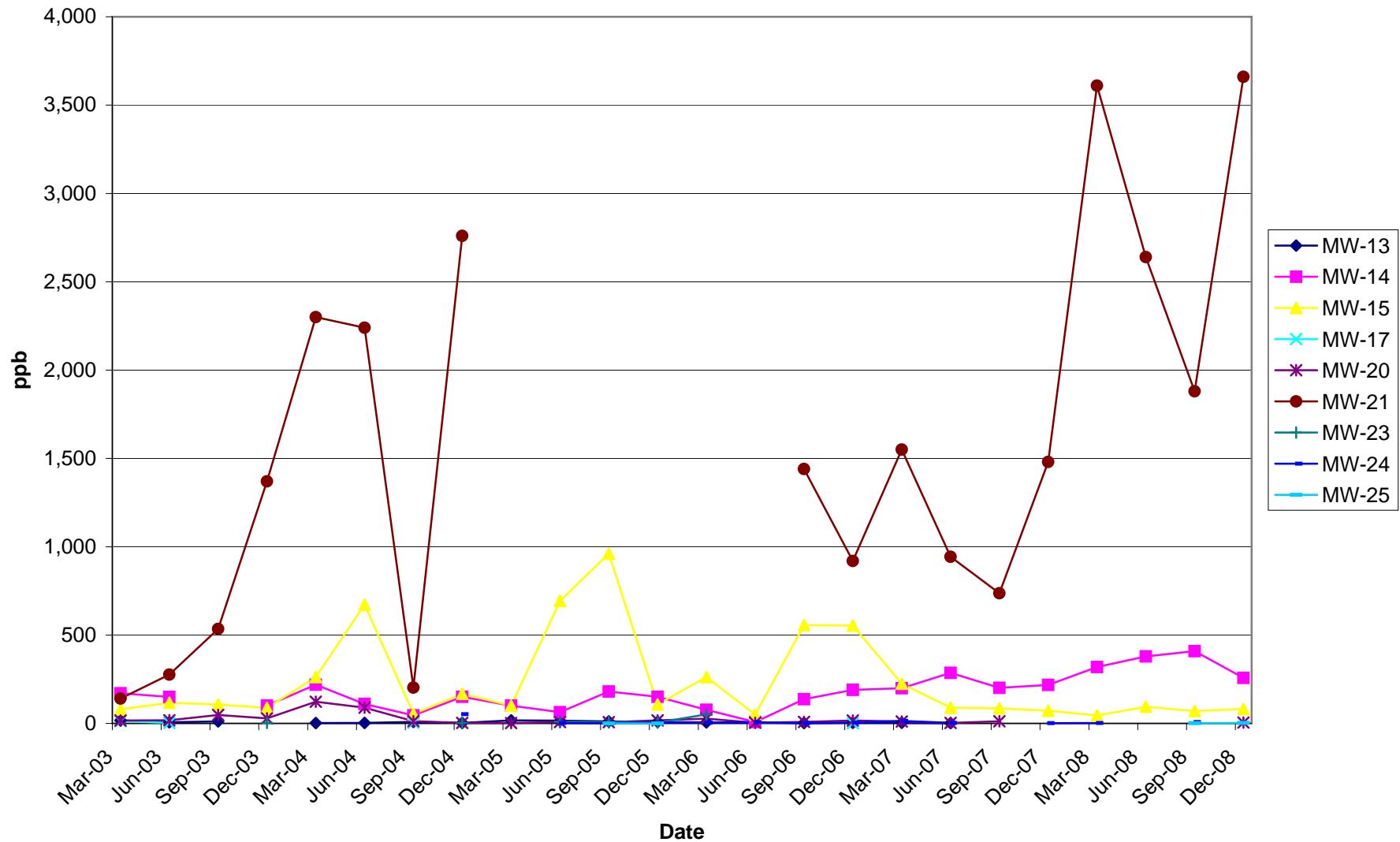
Dissolved 1,1,1-TCA in A1 Wells
(excluding MW-14, MW-20 and MW-21 for smaller scale)



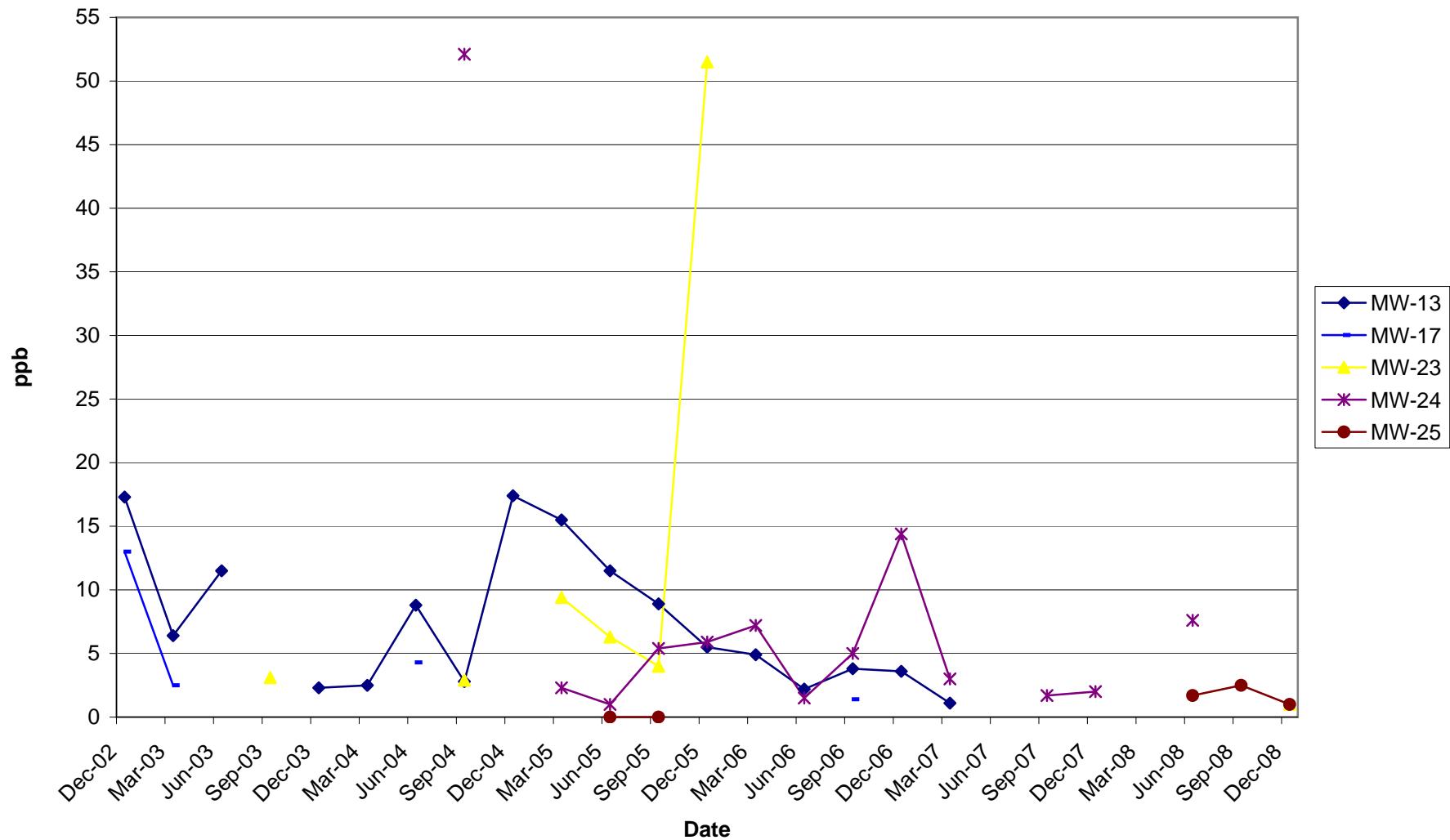
Dissolved 1,4-Dioxane in A1 Wells



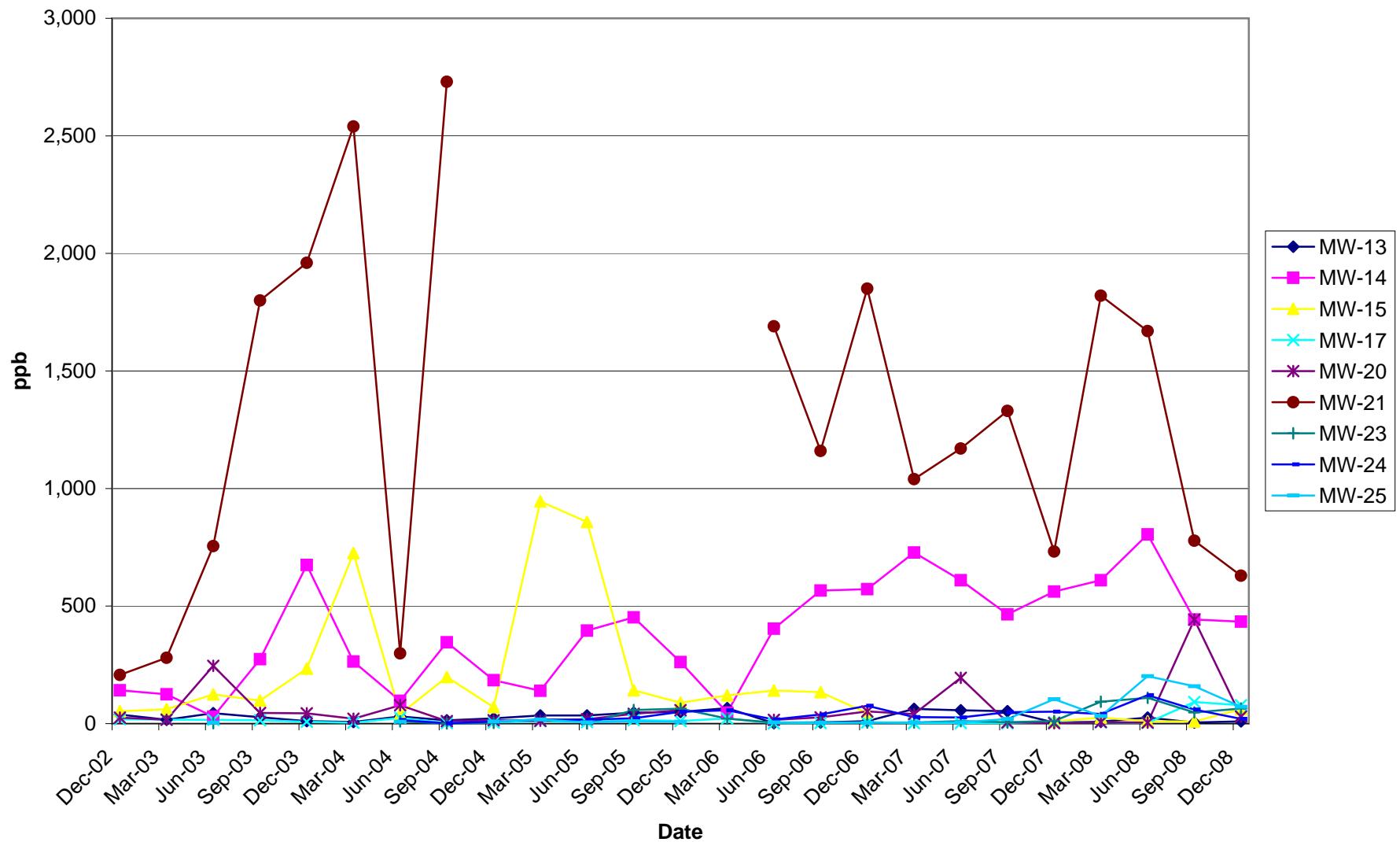
Dissolved 1,1-DCA in A1 Wells



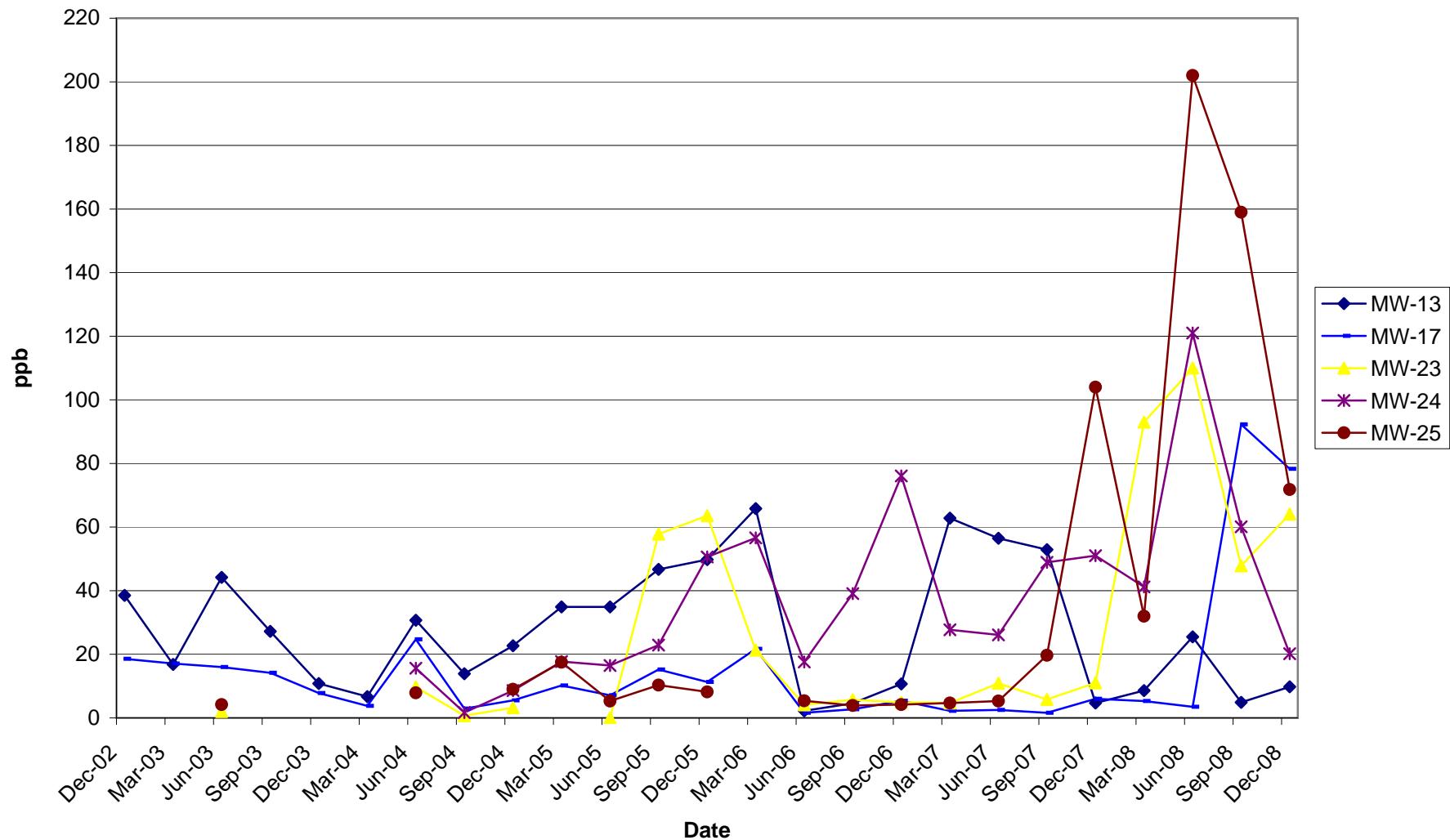
Dissolved 1,1-DCA in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)



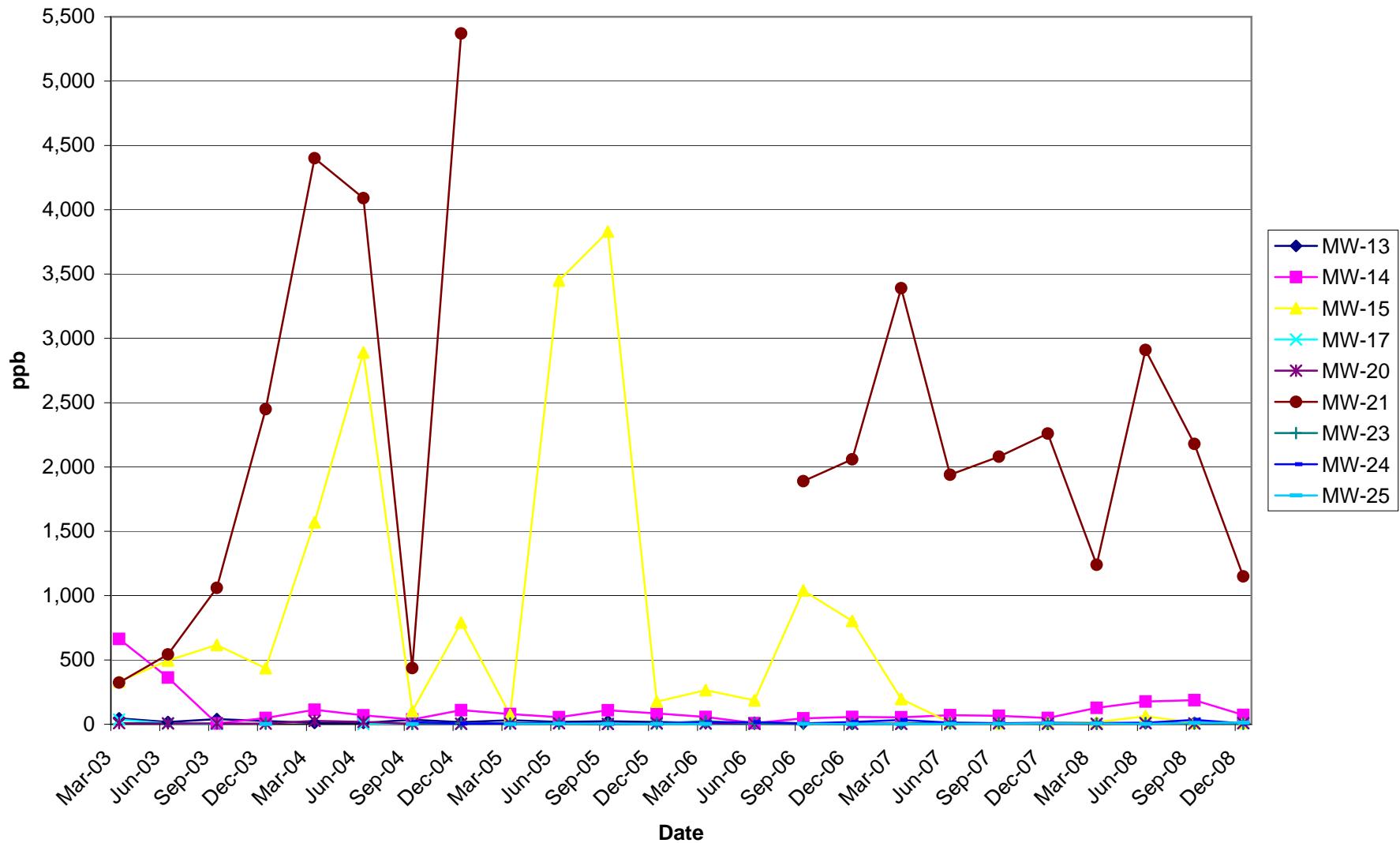
Dissolved 1,1-DCE in A1 Wells



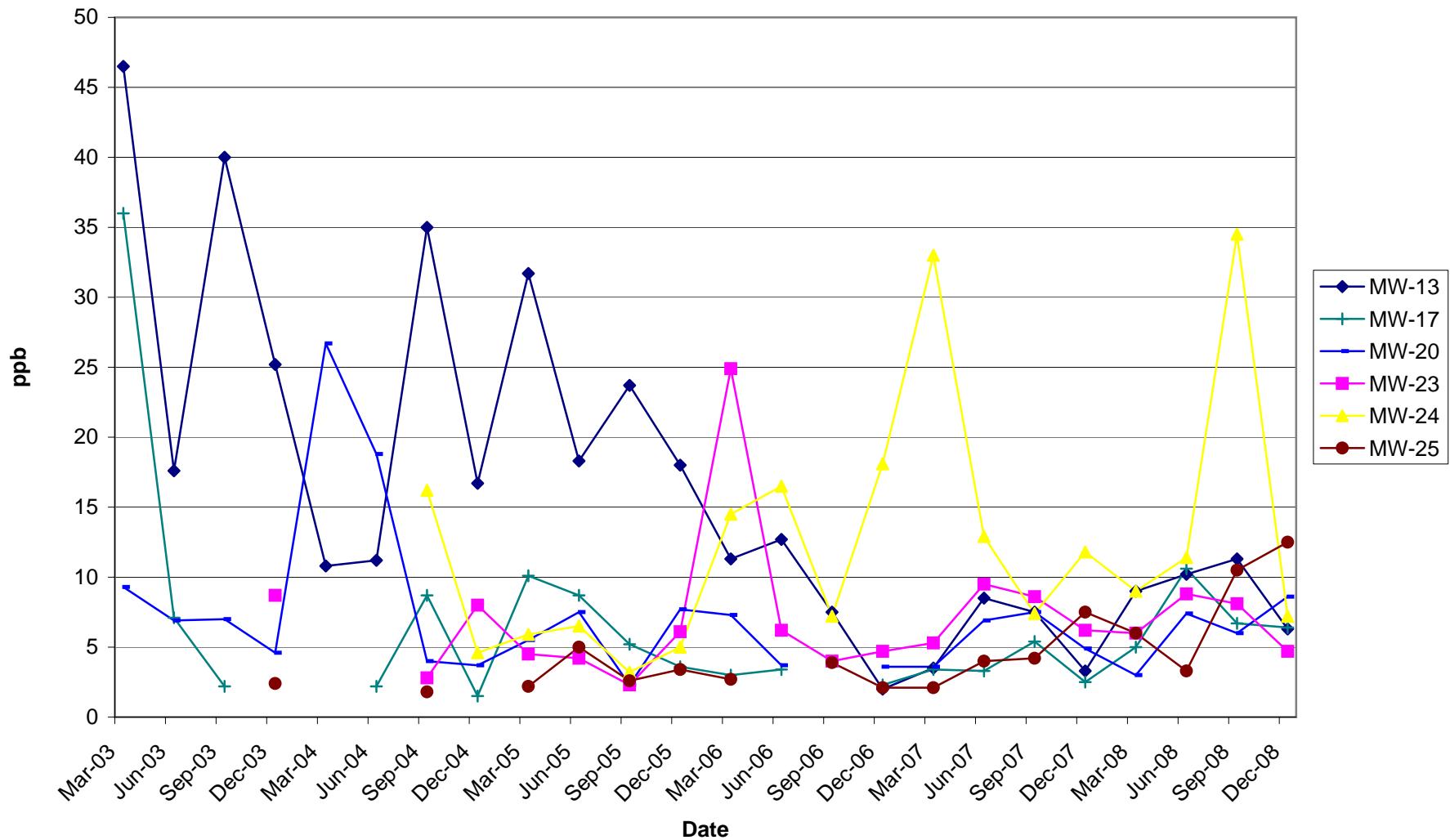
Dissolved 1,1-DCE in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)



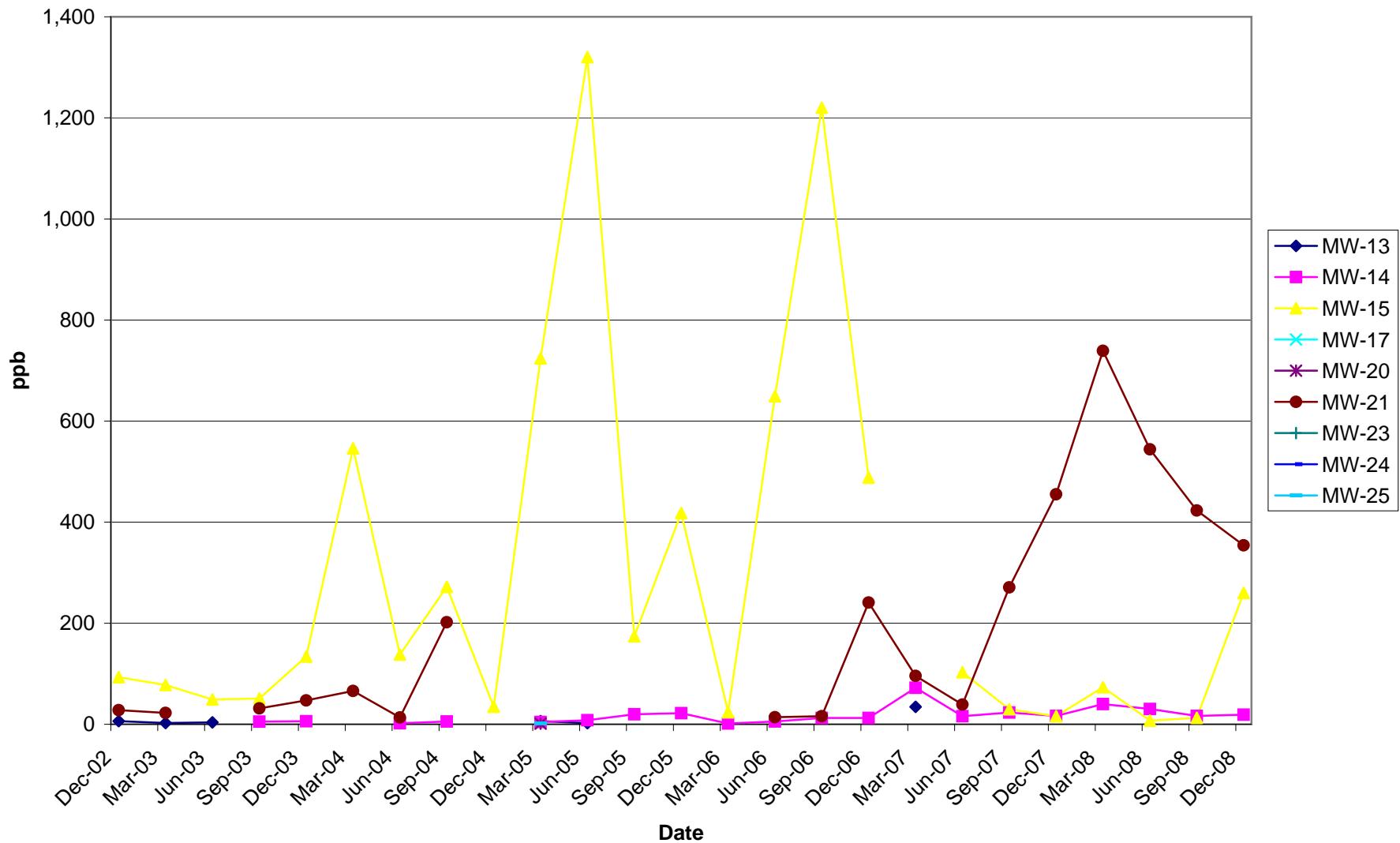
Dissolved Cis-1,2-DCE in A1 Wells



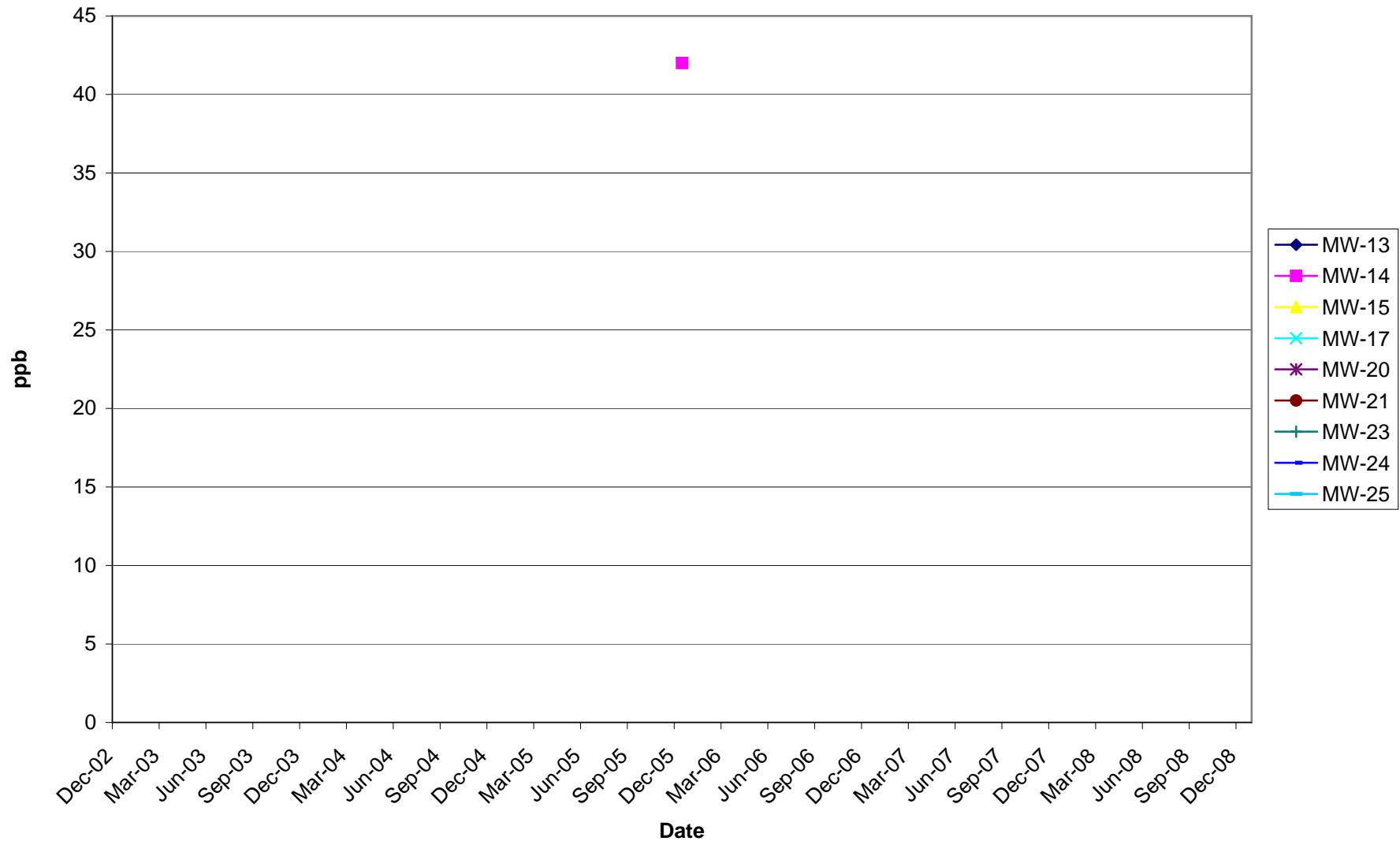
Dissolved Cis-1,2-DCE in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)



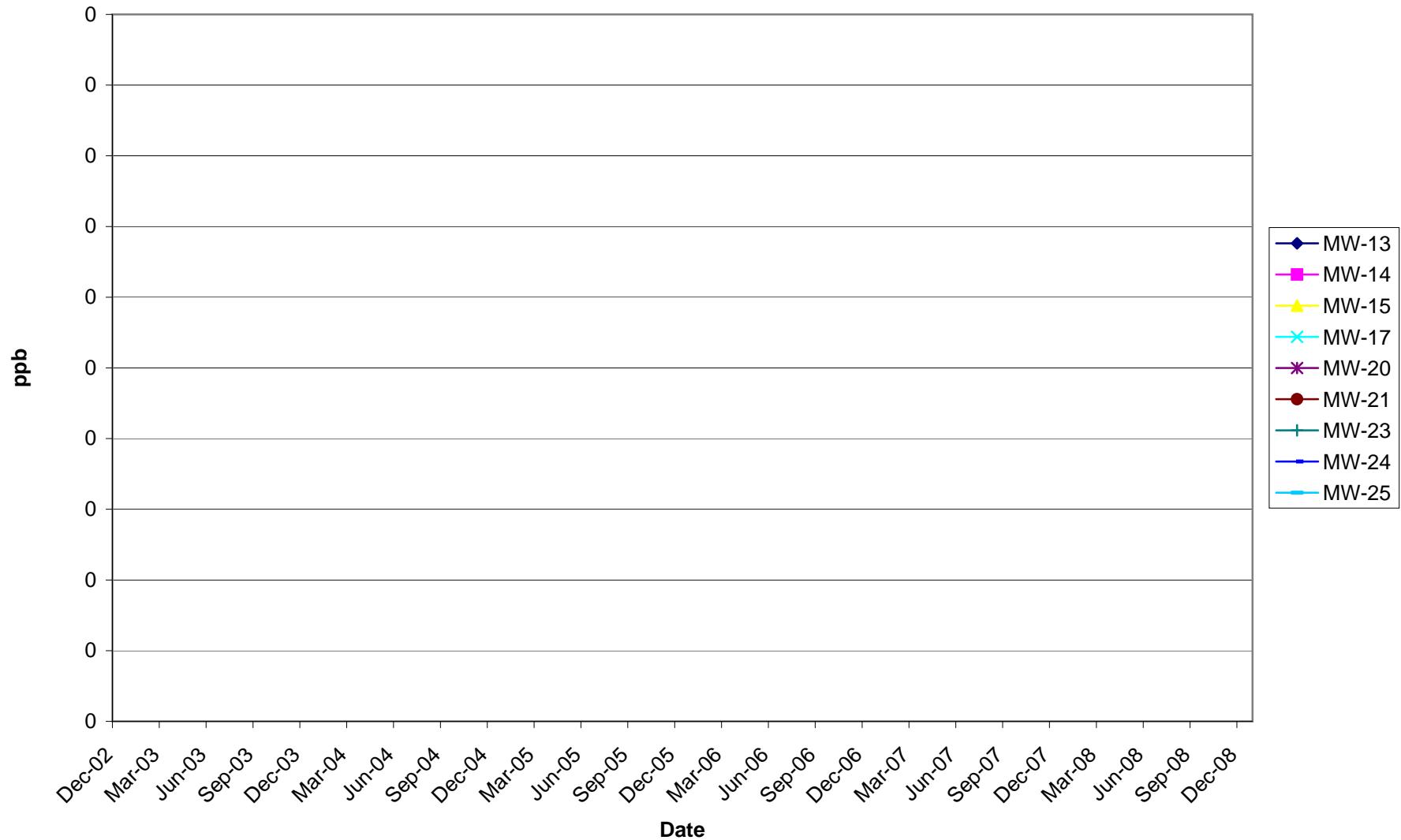
Dissolved Vinyl Chloride in A1 Wells



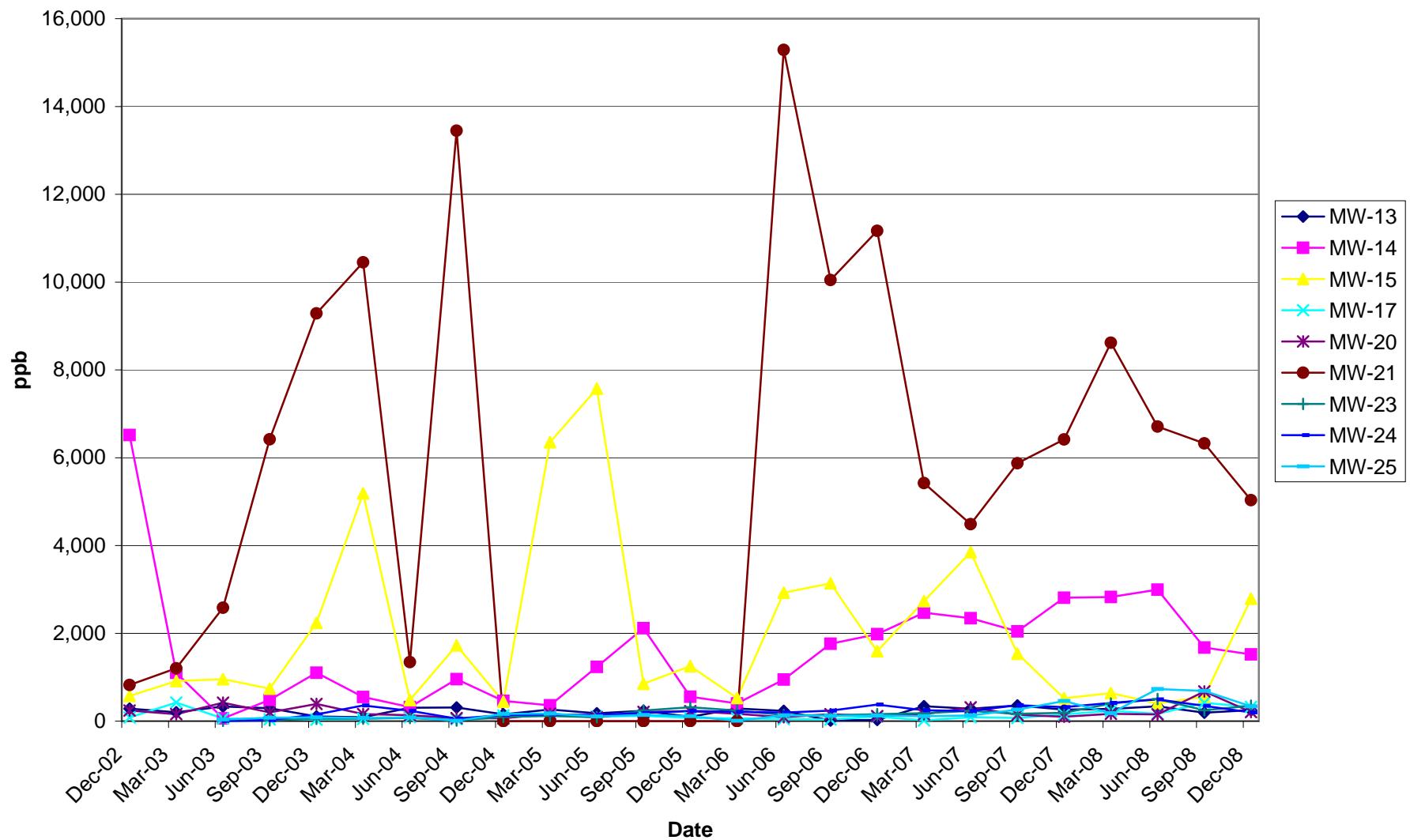
Dissolved Acetone in A1 Wells



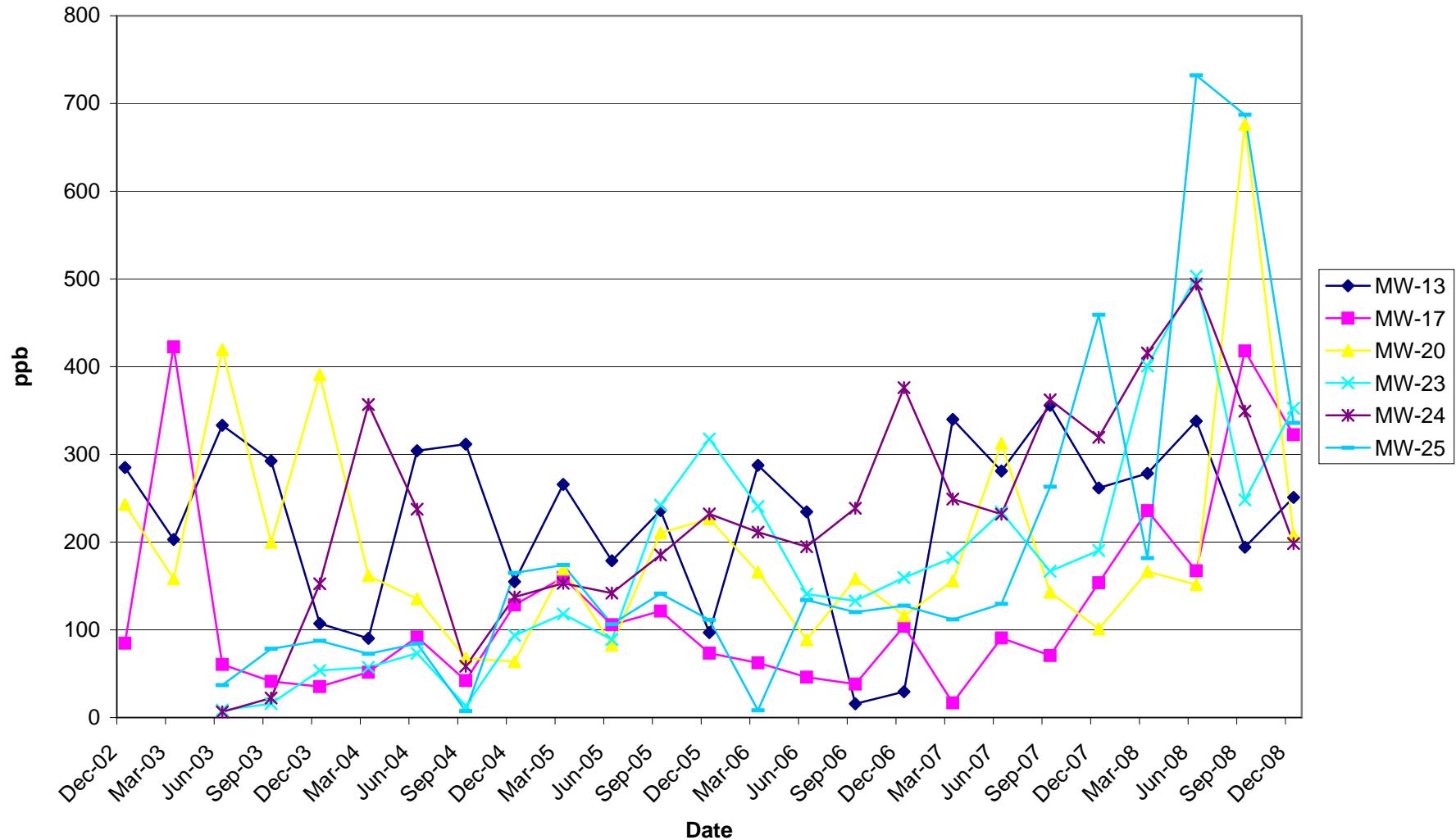
Dissolved MEK in A1 Wells



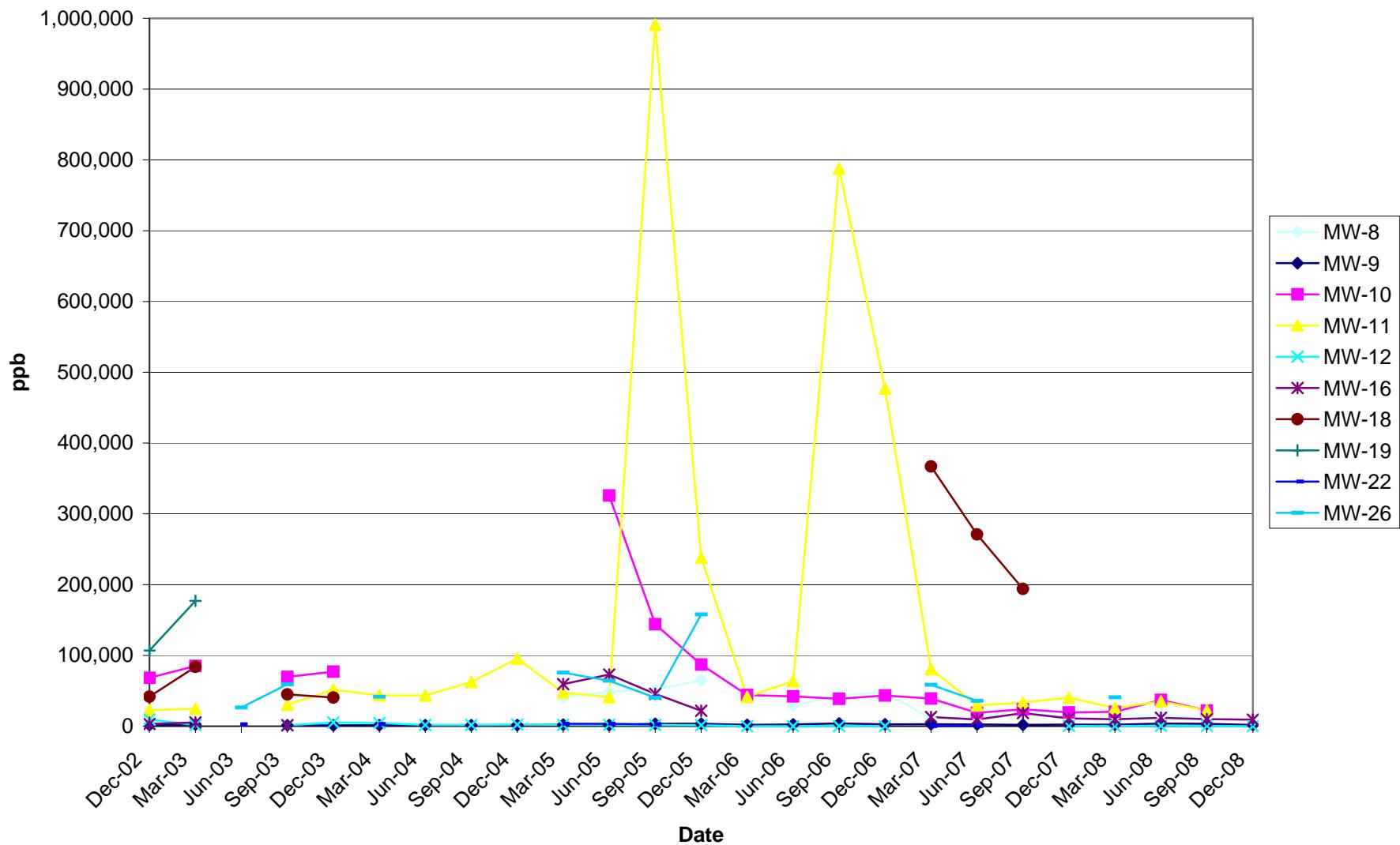
Total Dissolved VOCs in A1 Wells



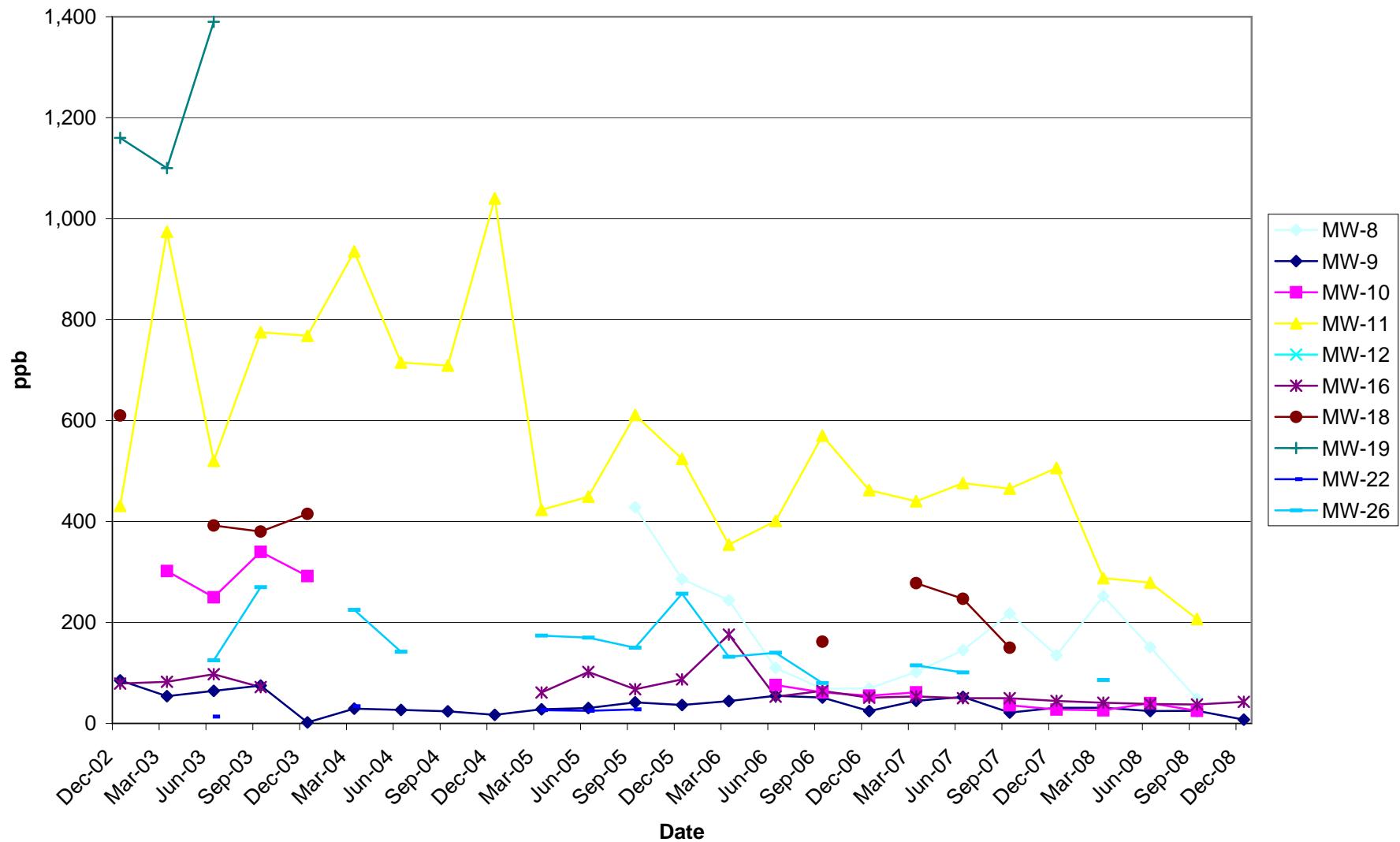
Total Dissolved VOCs in A1 Wells
 (excluding MW-14, MW-15 and MW-21 for smaller scale)



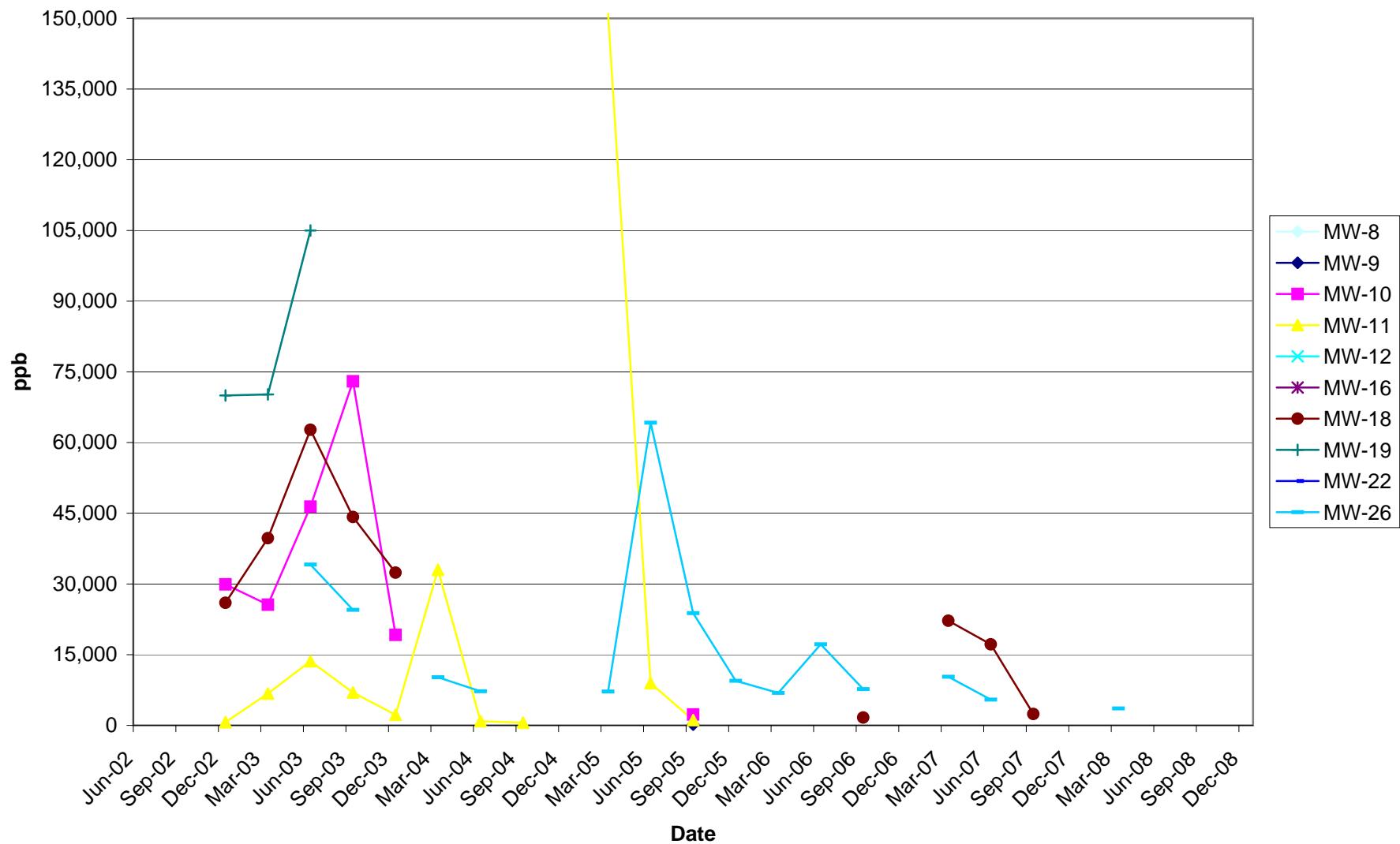
Dissolved TPH-gas in 1st Water Wells



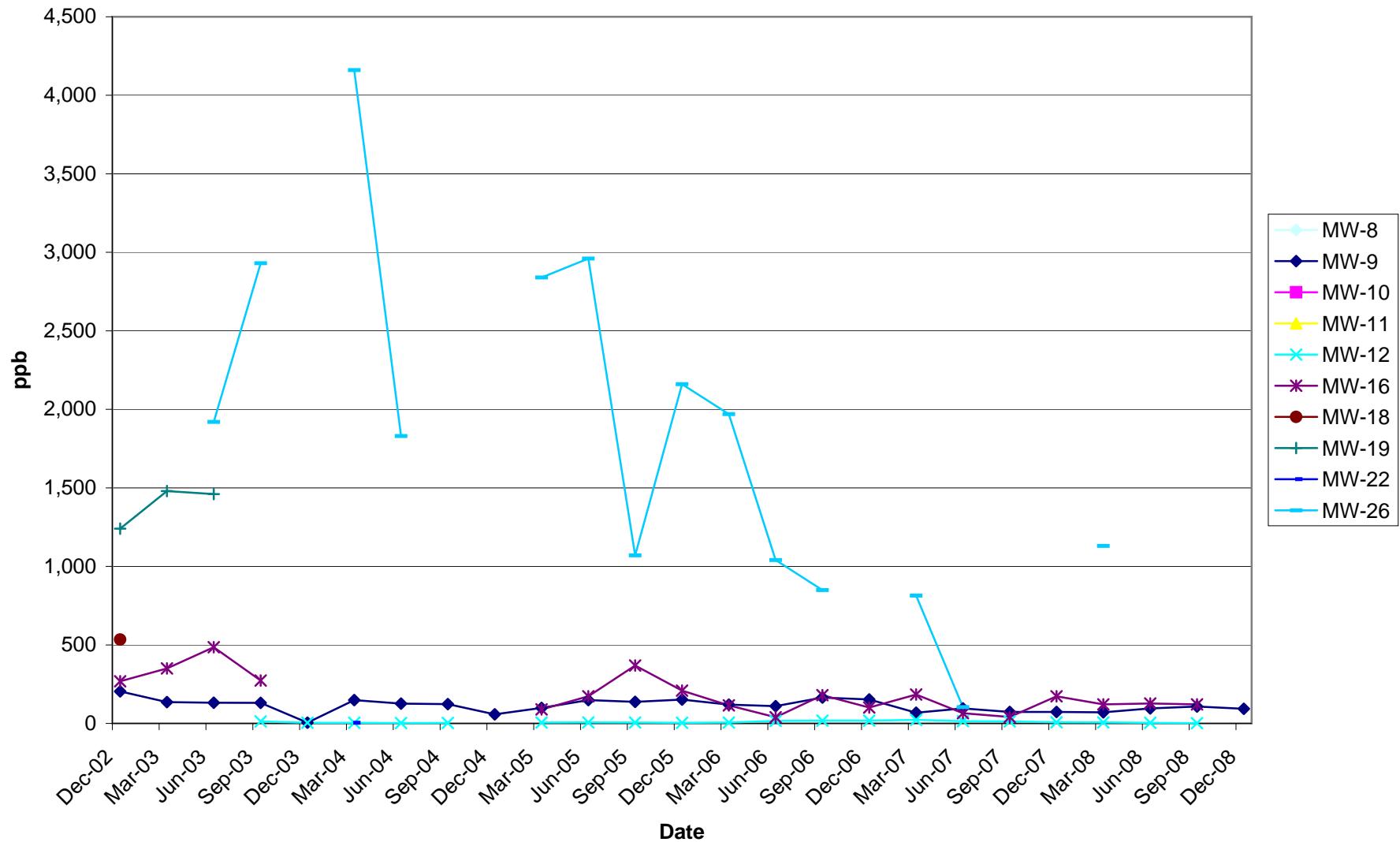
Dissolved Benzene in 1st Water Wells



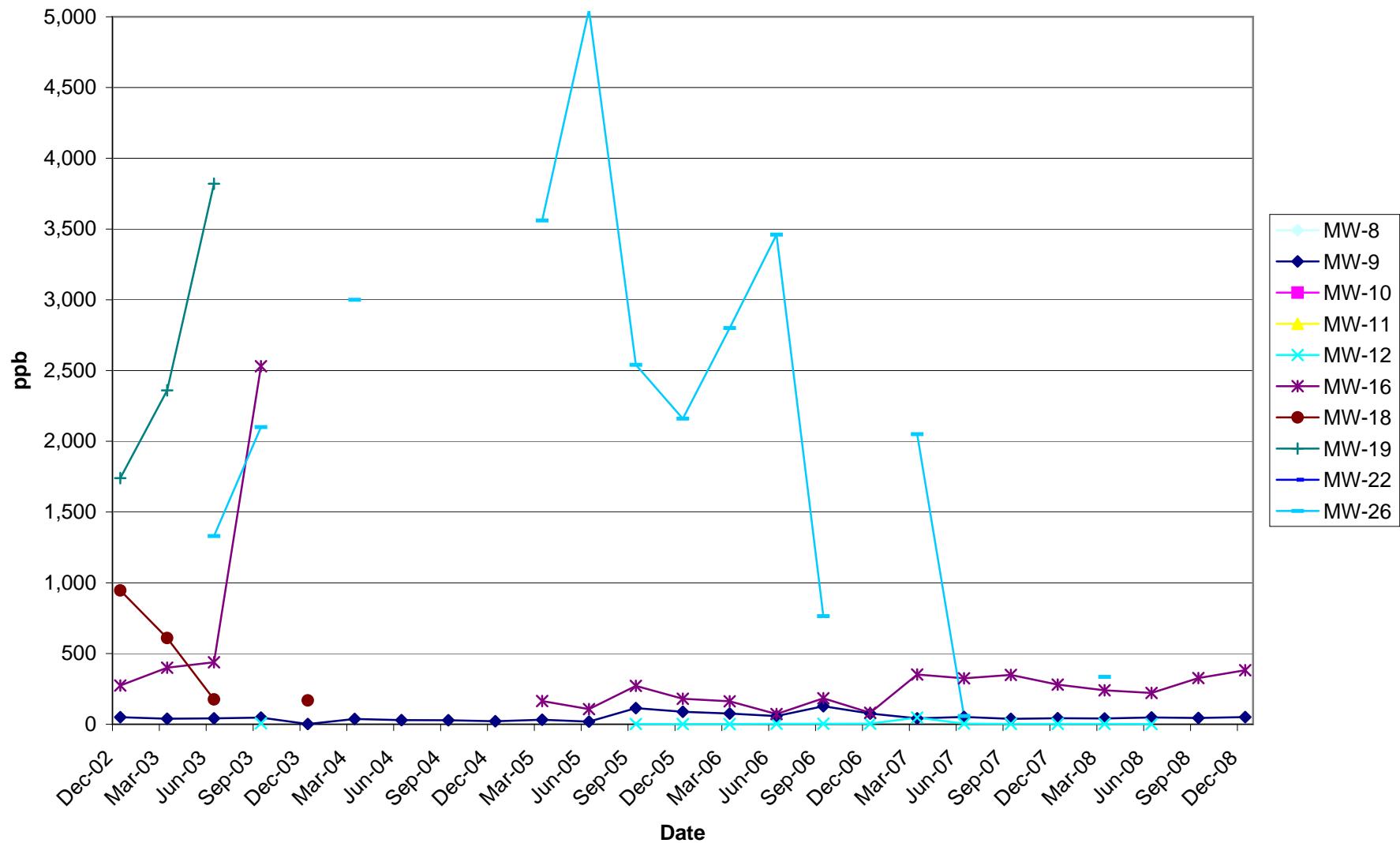
Dissolved Toluene in 1st Water Wells



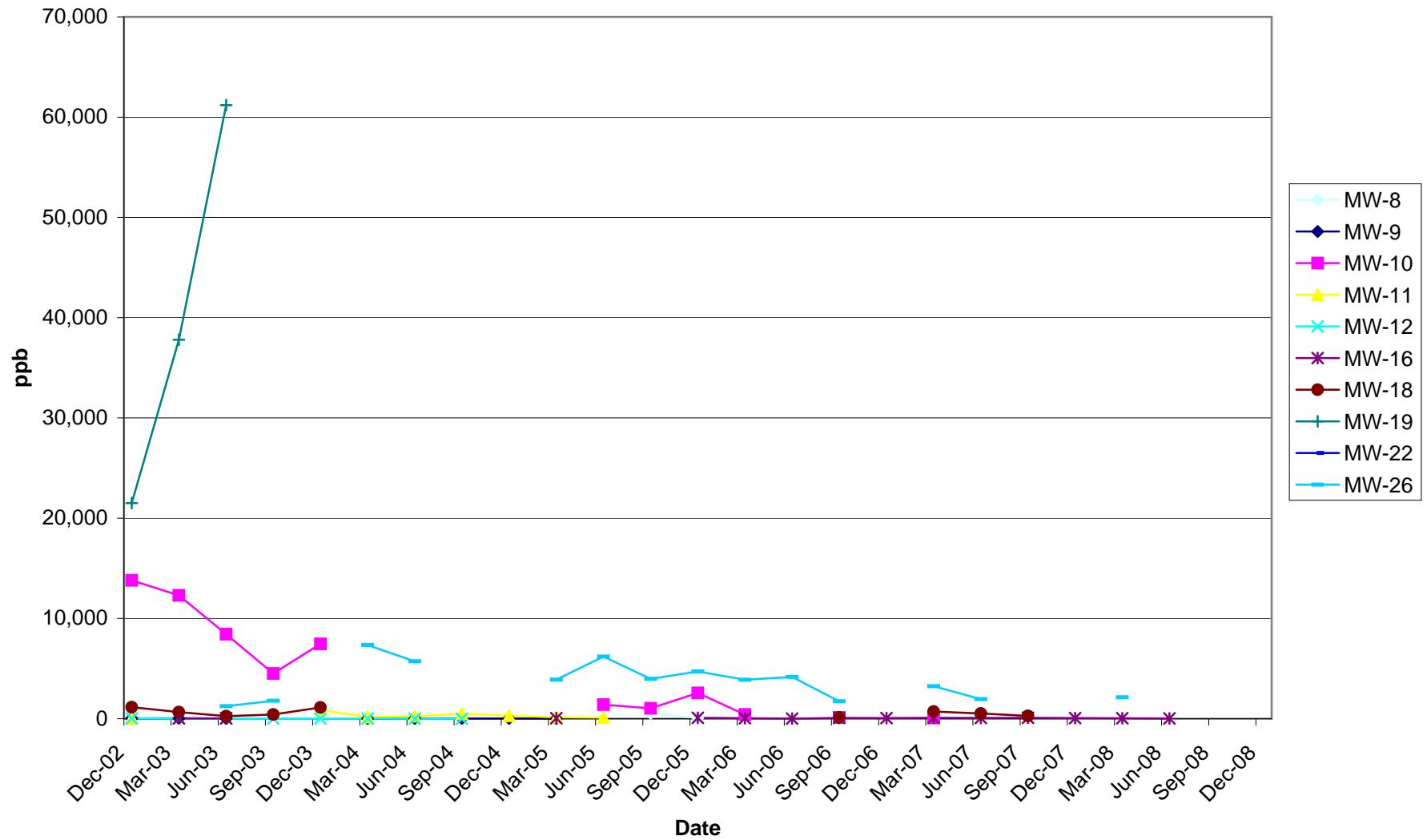
Dissolved PCE in 1st Water Wells



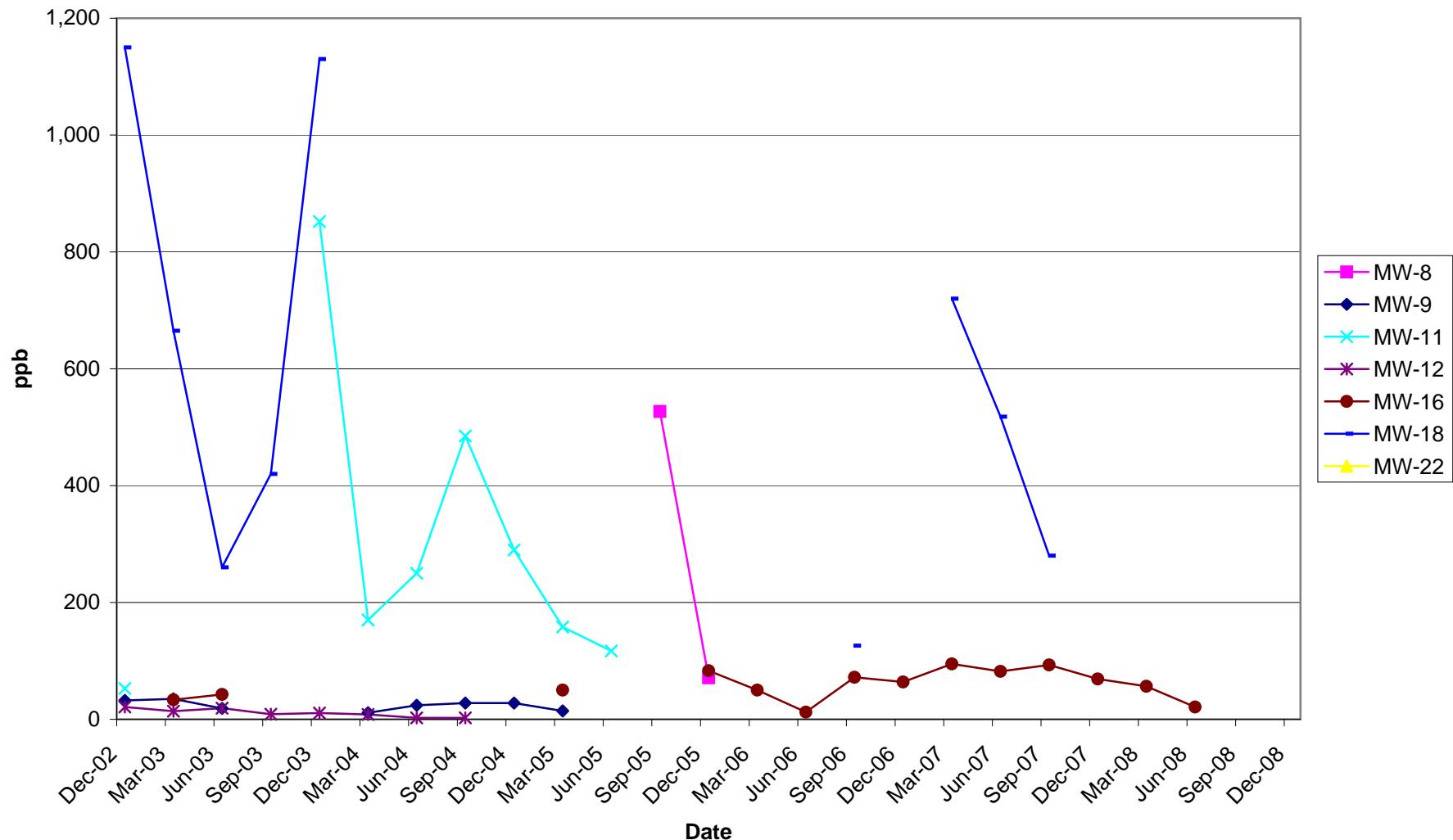
Dissolved TCE in 1st Water Wells



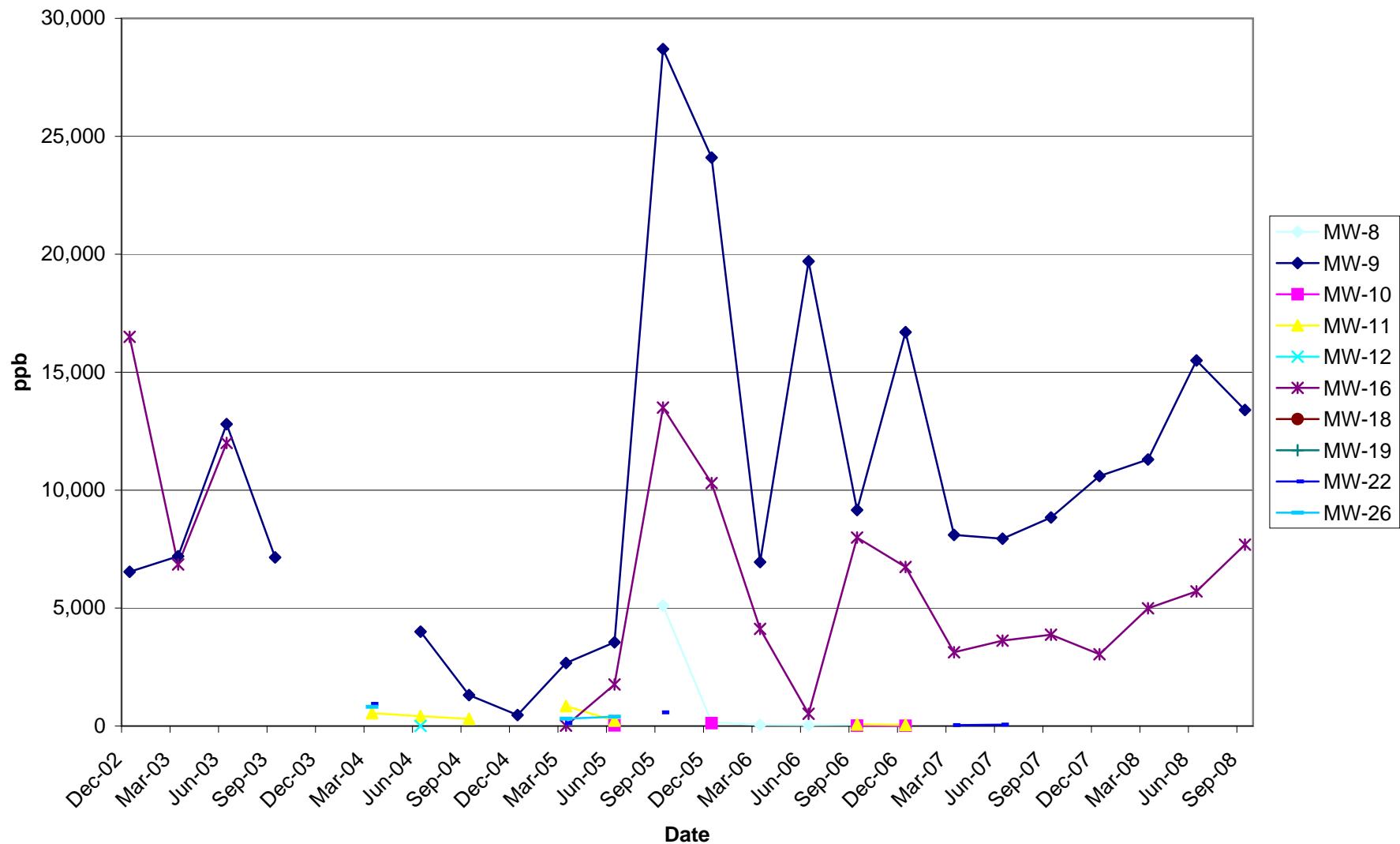
Dissolved 1,1,1-TCA in 1st Water Wells



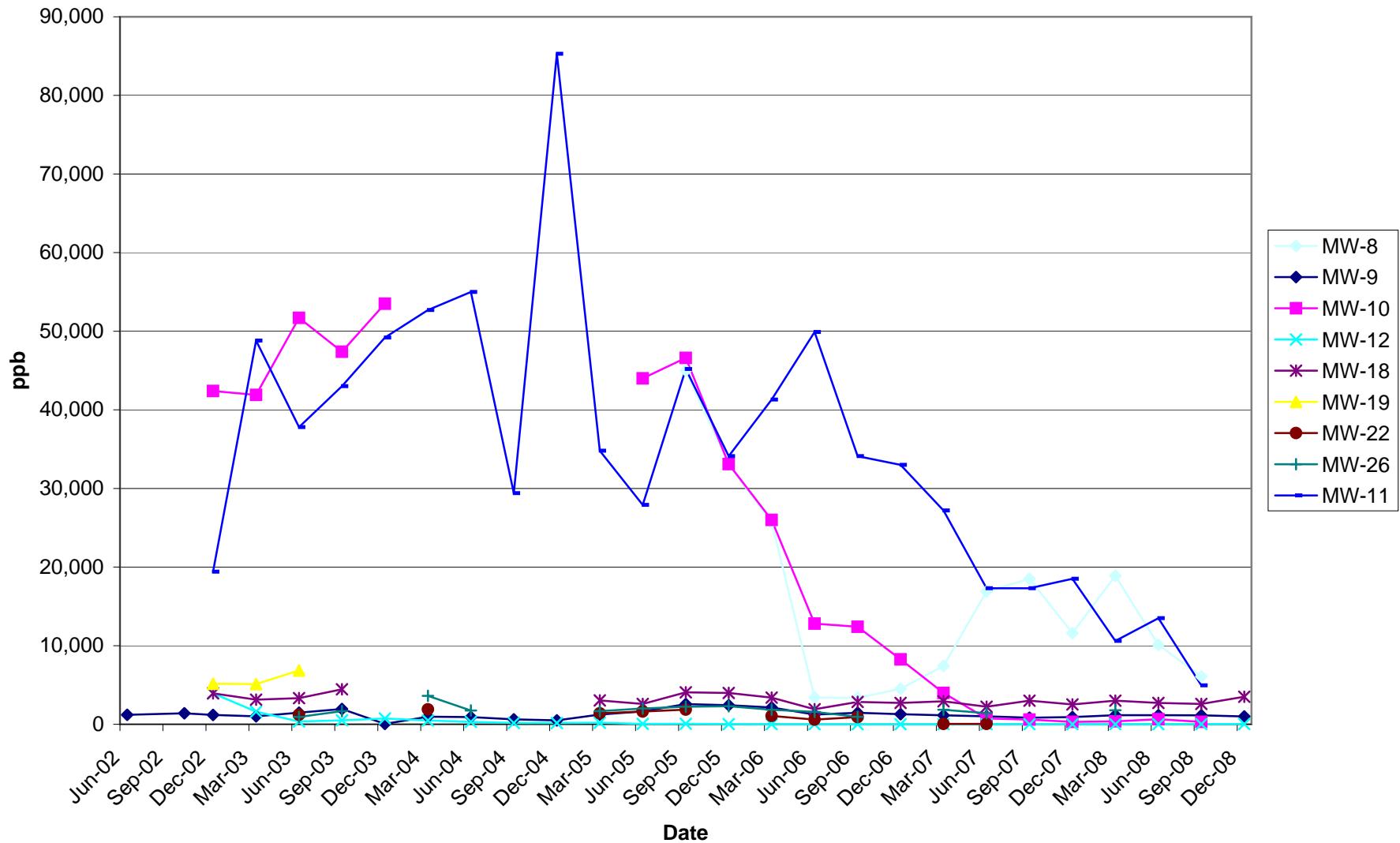
Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-19 and MW-26 for smaller scale)



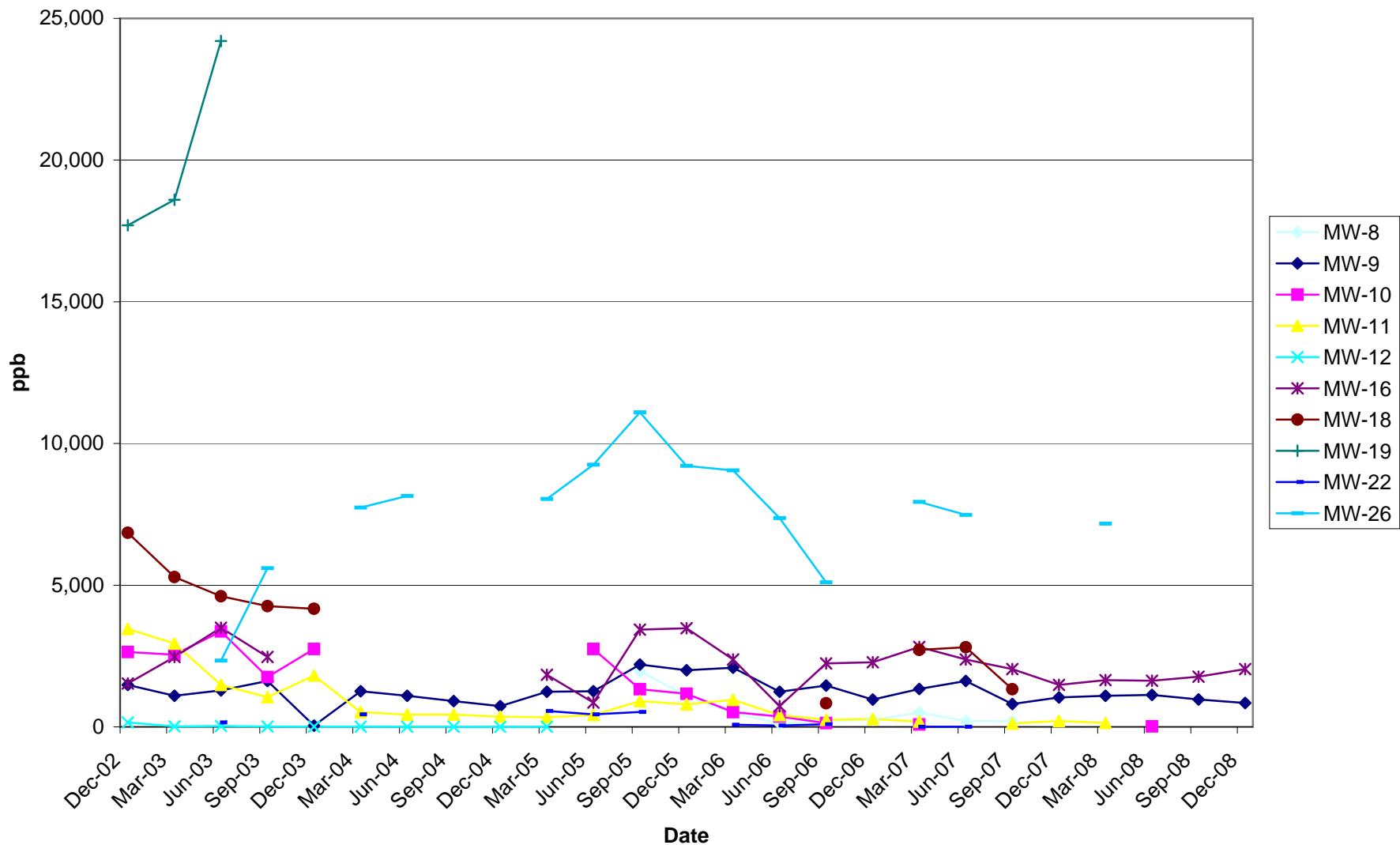
Dissolved 1,4-Dioxane in 1st Water Wells



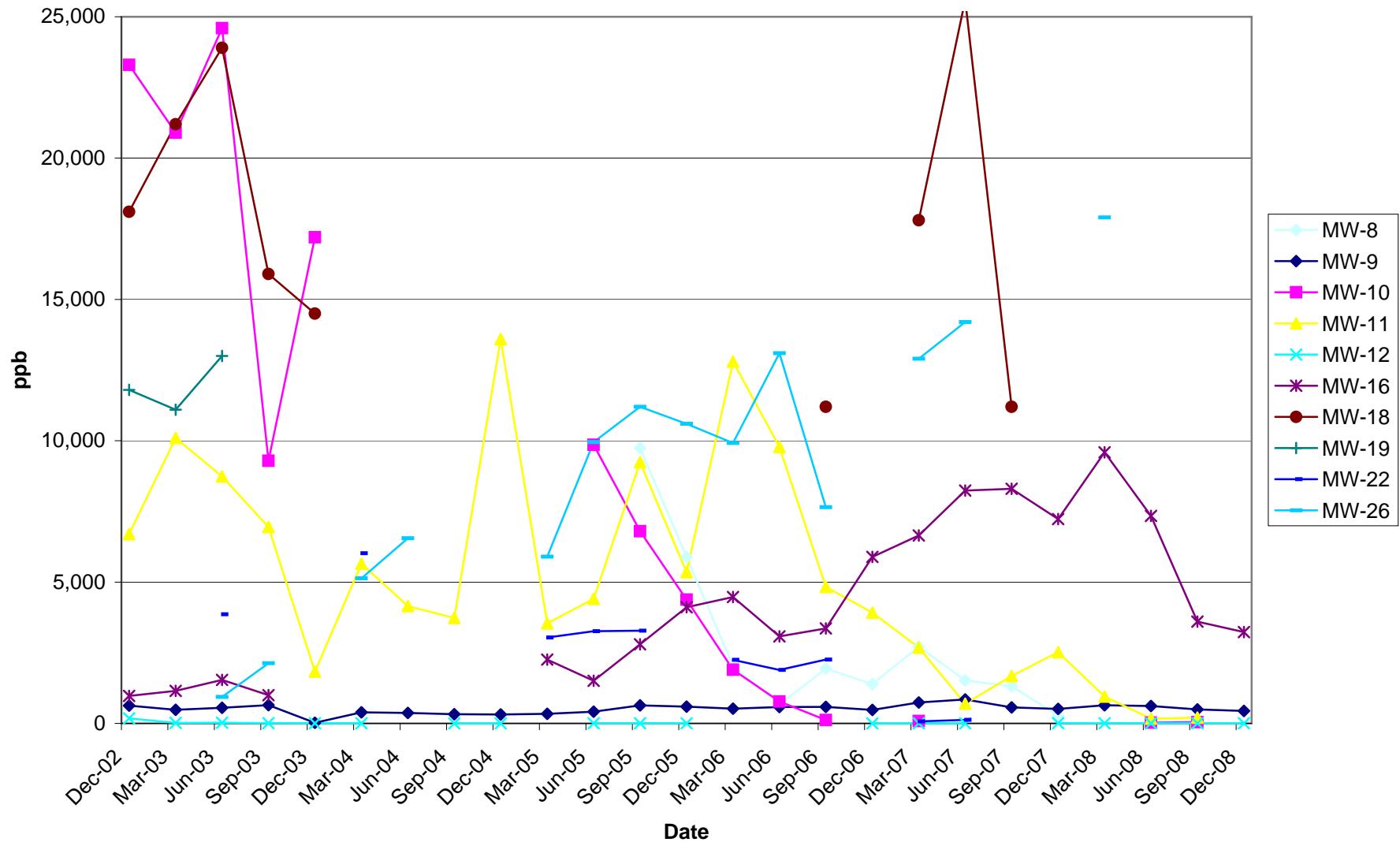
Dissolved 1,1-DCA in 1st Water Wells



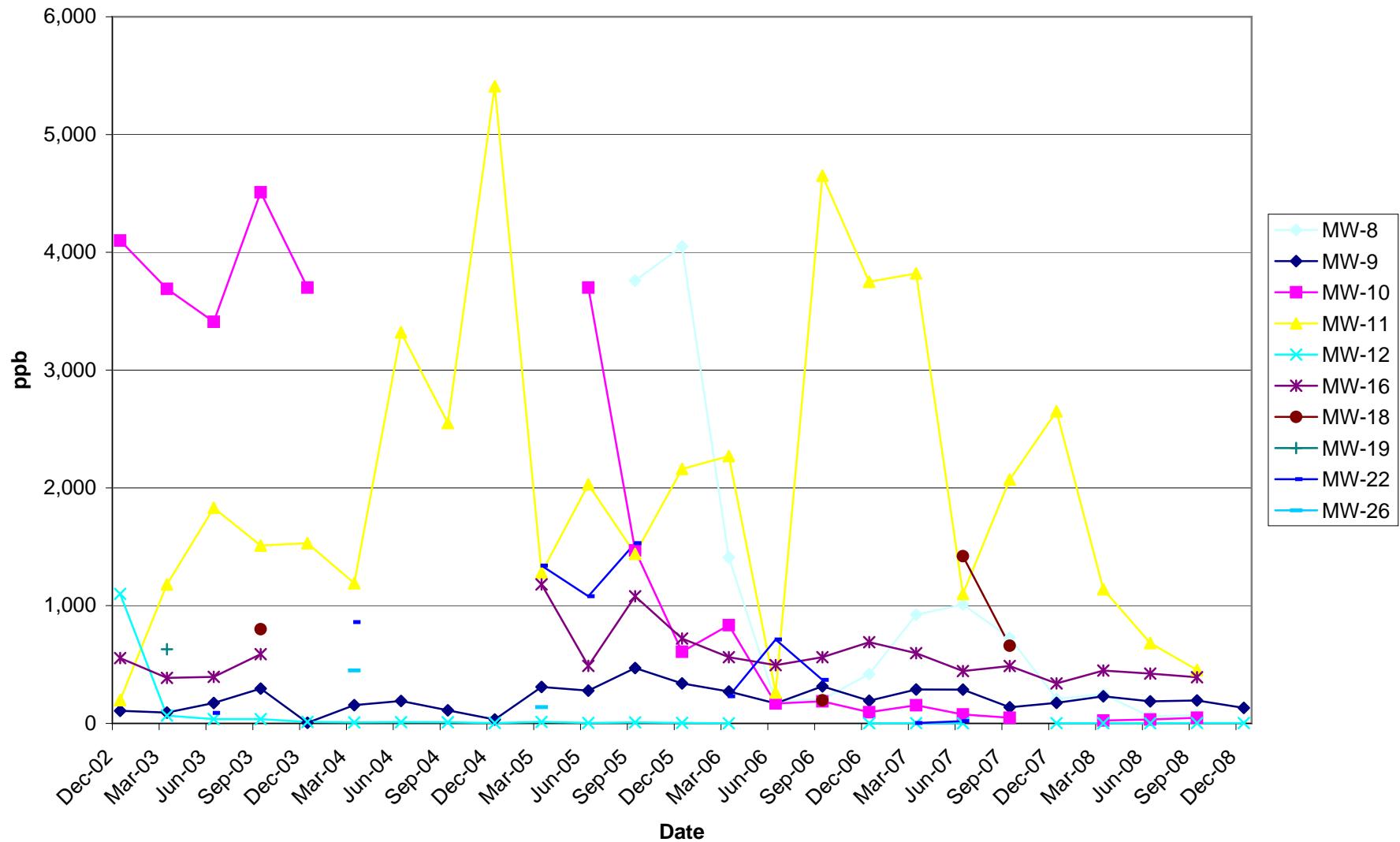
Dissolved 1,1-DCE in 1st Water Wells



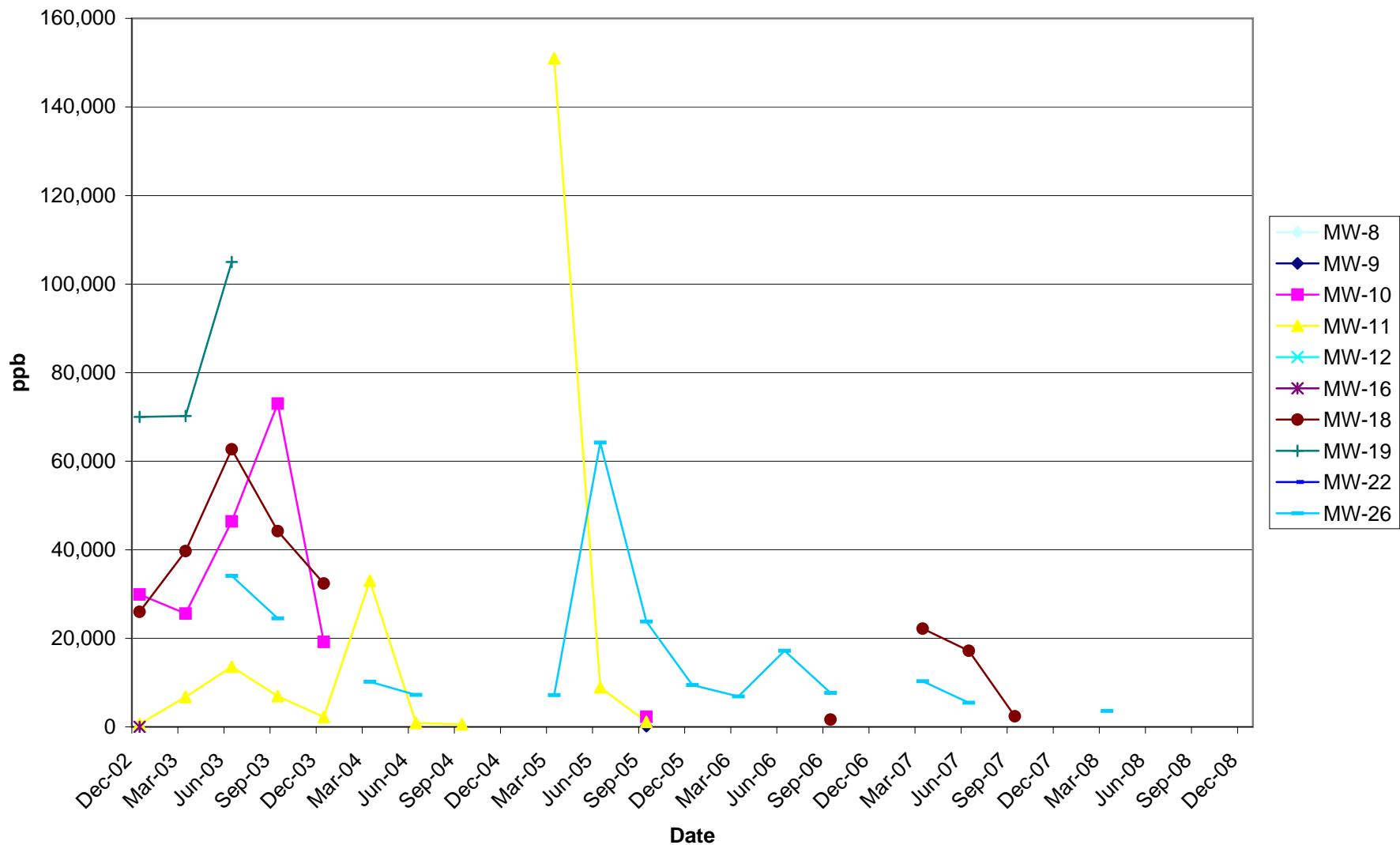
Dissolved Cis-1,2-DCE in 1st Water Wells



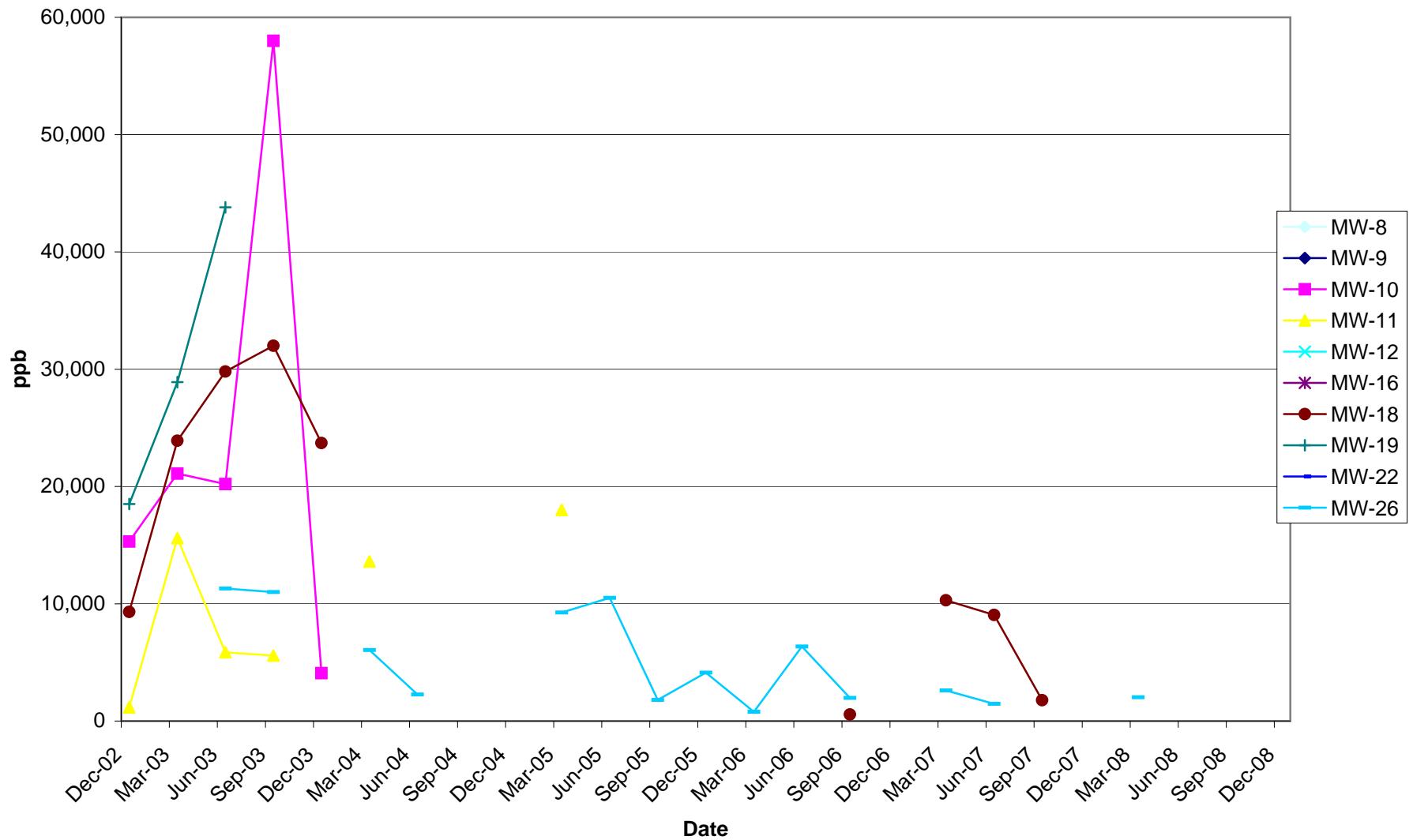
Dissolved Vinyl Chloride in 1st Water



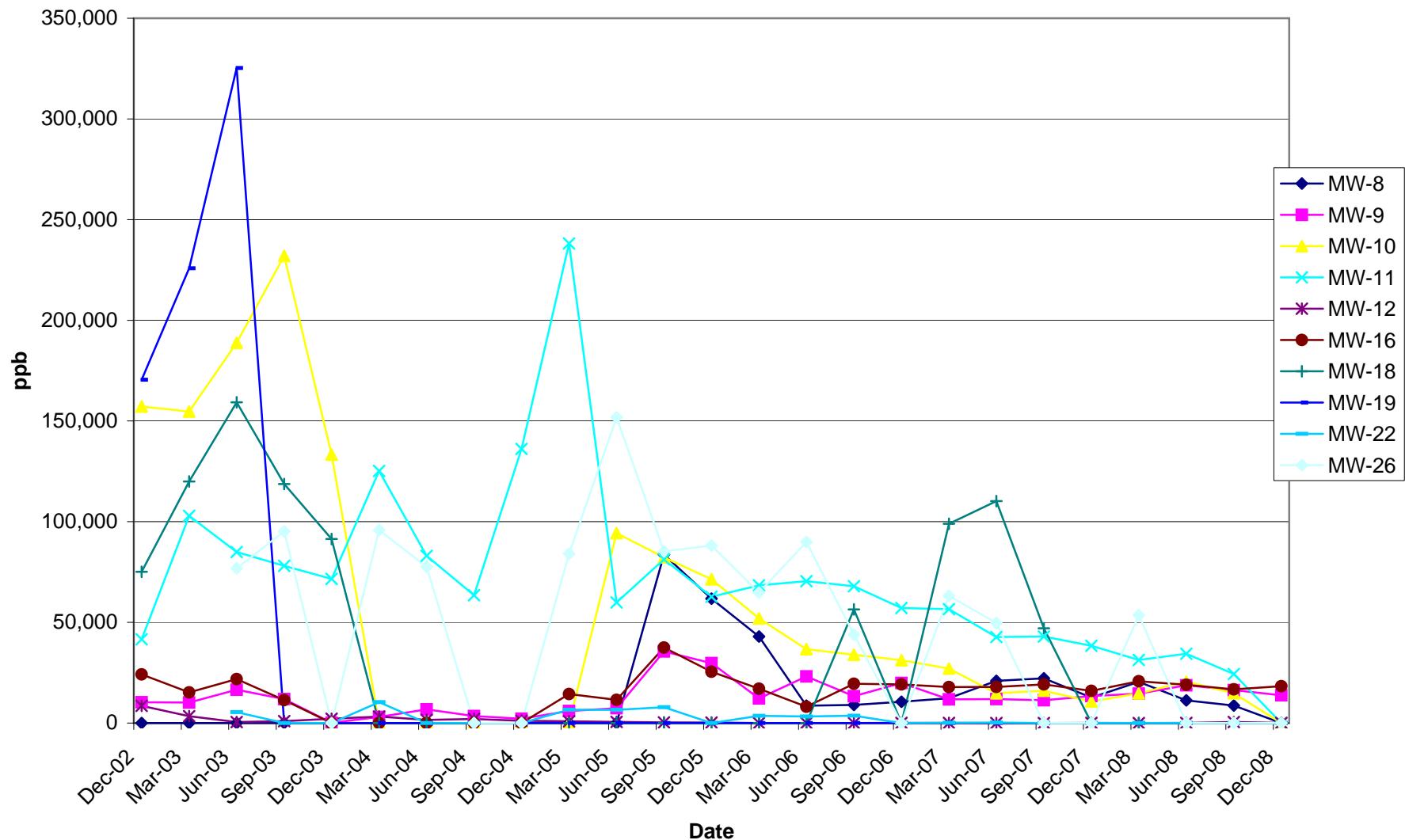
Dissolved Acetone in 1st Water Wells



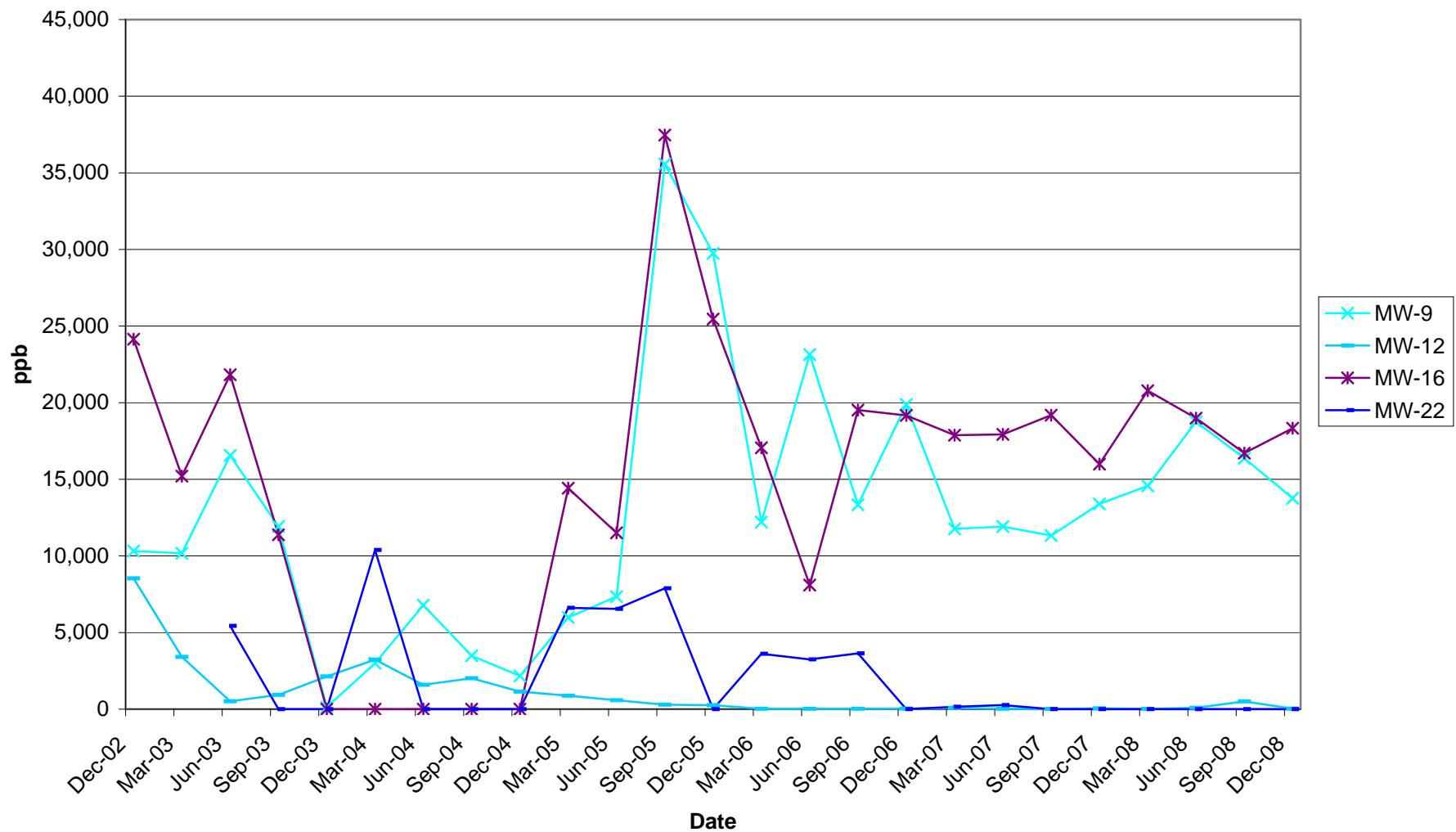
Dissolved MEK in 1st Water Wells



Total Dissolved VOCs in 1st Water Wells



Total Dissolved VOCs in 1st Water Wells
(excluding MW-8, MW-10, MW-11, MW-18, MW-19 and MW-26)



APPENDIX C

GROUNDWATER LABORATORY

ANALYSIS REPORTS



Alpha Scientific Corporation

Environmental Laboratories

12-12-2008

Mr. Joseph Kennedy
Greve Financial Services
PO Box 1684
Lomita, CA 90717

Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 12-09-2008
Lab Job No.: GF812048

Dear Mr. Kennedy:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 12-09-2008 and analyzed for the following parameters:

EPA 8260B (VOCs by GC/MS)

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is certified by CA DHS (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial Services
Project: Angeles Chemical Co.

Lab Job No.: GF812048
Matrix: Vapor

Date Reported: 12-12-2008
Date Sampled: 12-09-2008

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/L

DATE ANALYZED	12-10-08	12-10-08	12-10-08		
DILUTION FACTOR (DF)	1	1	1		
LAB SAMPLE I.D.		GF812048-2	GF812048-1		
CLIENT SAMPLE I.D.		Outlet	Inlet		
COMPOUND	MDL	PQL	MB		
Dichlorodifluoromethane	1	5	ND	ND	ND
Chloromethane	1	5	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND
Bromomethane	1	5	ND	ND	ND
Chloroethane	1	5	ND	ND	ND
Trichlorofluoromethane	1	5	ND	ND	ND
1,1-Dichloroethene	1	5	ND	ND	2.8J
Iodomethane	1	5	ND	ND	ND
Methylene Chloride	1	5	ND	ND	ND
trans-1,2-Dichloroethene	1	5	ND	ND	ND
1,1-Dichloroethane	1	5	ND	ND	5.3
2,2-Dichloropropane	1	5	ND	ND	ND
cis-1,2-Dichloroethene	1	5	ND	ND	3.9J
Bromochloromethane	1	5	ND	ND	ND
Chloroform	1	5	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND
1,1,1-Trichloroethane	1	5	ND	ND	27.2
Carbon tetrachloride	1	5	ND	ND	ND
1,1-Dichloropropene	1	5	ND	ND	ND
Benzene	1	1	ND	ND	ND
Trichloroethene	1	2	ND	ND	1.1J
1,2-Dichloropropane	1	5	ND	ND	ND
Bromodichloromethane	1	5	ND	ND	ND
Dibromomethane	1	5	ND	ND	ND
Trans-1,3-Dichloropropene	1	5	ND	ND	ND
cis-1,3-Dichloropropene	1	5	ND	ND	ND
1,1,2-Trichloroethane	1	5	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND
Dibromochloromethane	1	5	ND	ND	ND
2-Chloroethylvinyl ether	1	5	ND	ND	ND
Bromoform	1	5	ND	ND	ND
Isopropylbenzene	1	5	ND	ND	ND
Bromobenzene	1	5	ND	ND	ND



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial Services
Project: Angeles Chemical Co.

Lab Job No.: GF812048
Matrix: Vapor

Date Reported: 12-12-2008
Date Sampled: 12-09-2008

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: µg/L

COMPOUND	MDL	PQL	MB	Outlet	Inlet		
Toluene	1	1	ND	ND	ND		
Tetrachloroethene	1	2	ND	ND	12.7		
1,2-Dibromoethane(EDB)	1	5	ND	ND	ND		
Chlorobenzene	1	5	ND	ND	ND		
1,1,1,2-Tetrachloroethane	1	5	ND	ND	ND		
Ethylbenzene	1	1	ND	ND	ND		
Total Xylenes	1	2	ND	ND	ND		
Styrene	1	5	ND	ND	ND		
1,1,2,2-Tetrachloroethane	1	5	ND	ND	ND		
1,2,3-Trichloropropane	1	5	ND	ND	ND		
n-Propylbenzene	1	5	ND	ND	ND		
2-Chlorotoluene	1	5	ND	ND	ND		
4-Chlorotoluene	1	5	ND	ND	ND		
1,3,5-Trimethylbenzene	1	5	ND	ND	ND		
tert-Butylbenzene	1	5	ND	ND	ND		
1,2,4-Trimethylbenzene	1	5	ND	ND	ND		
Sec-Butylbenzene	1	5	ND	ND	ND		
1,3-Dichlorobenzene	1	5	ND	ND	ND		
p-Isopropyltoluene	1	5	ND	ND	ND		
1,4-Dichlorobenzene	1	5	ND	ND	ND		
1,2-Dichlorobenzene	1	5	ND	ND	ND		
n-Butylbenzene	1	5	ND	ND	ND		
1,2,4-Trichlorobenzene	1	5	ND	ND	ND		
1,2-Dibromo-3-Chloropropane	1	5	ND	ND	ND		
Hexachlorobutadiene	1	5	ND	ND	ND		
Naphthalene	1	5	ND	ND	ND		
1,2,3-Trichlorobenzene	1	5	ND	ND	ND		
Aceton	5	20	ND	ND	ND		
2-Butanone (MEK)	5	20	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	5	20	ND	ND	ND		
2-Hexanone	5	20	ND	ND	ND		
Vinyl Acetate	5	20	ND	ND	ND		
MTBE	1	2	ND	ND	ND		

MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected (below DF × MDL); J=trace concentration.
* Obtained from a higher dilution analysis.



Alpha Scientific Corporation

Environmental Laboratories

12-12-2008

EPA 8260B Batch QA/QC Report

Client: Greve Financial Services Lab Job No.: GF812048
Project: Angeles Chemical Co.
Matrix: Vapor samples Lab Sample ID: GF812048-1
Batch No.: 1210-VOBV1 Date Analyzed: 12-10-2008

I. Sample/Sample Dup Report Reporting Units: $\mu\text{L/L}$ (ppm-Vol)

Analyte	MB	Sample Conc.	Sample Duplicate	% RPD	% RPD Accept. Limit
MTBE	ND	ND	ND	0	30
Benzene	ND	ND	ND	0	30
Toluene	ND	ND	ND	0	30
Ethyl Benzene	ND	ND	ND	0	30
Total Xylenes	ND	ND	ND	0	30
1,1-DCE	ND	0.69	0.64	7.5	30
TCE	ND	0.21	0.23	9.1	30
PCE	ND	1.90	1.74	8.8	30

II. LCS Result Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	19.4	20.0	97.0	80-120
Benzene	22.8	20.0	114.0	80-120
Trichloro-ethene	21.1	20.0	105.5	80-120
Toluene	21.4	20.0	107.0	80-120
Chlorobenzene	22.2	20.0	111.0	80-120

ND: Not Detected.



ALPHA SCIENTIFIC CORPORATION

CHAIN OF CUSTODY RECORD

Page ____ of ____

Lab Job Number GF 812048

Client:							Analyses Requested						T.A.T. Requested	
Address:							<input type="checkbox"/> Rush 8 12 24 hrs	<input type="checkbox"/> 2-3 days <input checked="" type="checkbox"/> Normal						
Report Attention:	Phone	Fax	Sampled by									Sample Condition		
Project Name/No.	310753570		AL Whealock									<input checked="" type="checkbox"/> Chilled <input checked="" type="checkbox"/> Intact		
Project Site:	8915 Sorenson												<input type="checkbox"/> Sample seals	
Client Sample ID	Lab Sample ID	Sample Collect		Matrix Type	Sample Preserv	No.,type* & size of container	8015M (Gasoline)	8015M(Diesel)	8260B(BTEX, Oxygenates)	8260B (VOCs)	8270C(SVOCs)	CAM Metals	Remark	
		Date	Time											
FACC SVI Inlet	GF 812048-1	12/9/08	15:50	Vapor		Tedlan	X							
FACC SVI outlet		12/9/08	15:55	"	"		X							
Relinquished by:	Company	Date	Time	Received by:	Company	Date	Time	Container types: M=Metal Tube A=Air Bag P=Plastic bottle G=Glass bottle V=VOA vial						
Al Whealock	GFS	12/9	17:00	M	AAC	12/9/08	17:00							
Relinquished by:	Company	Date	Time	Received by:	Company	Date	Time							



Alpha Scientific Corporation

Environmental Laboratories

12-16-2008

Mr. Joseph Kennedy
Greve Financial
PO Box 1684
Lomita, CA 90717

Project: Angeles Chemical Co./FACC
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 12-08-2008
Lab Job No.: GF812037

Dear Mr. Kennedy:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 12-08-2008 and analyzed for the following parameters:

TPH-Gasoline
EPA 8260B (VOCs by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is certified by CA DHS (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our Laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.



Alpha Scientific Corporation

Environmental Laboratories

12-16-2008

Client: Greve Financial Lab Job No.: GF812037
Project: Angeles Chemical Co./FACC
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA Date Sampled: 12-08-2008
Matrix: Water Date Received: 12-08-2008
Batch No.: BML11-GW1 Date Analyzed: 12-11-2008

TPH-Gasoline by LUFT GC/MS

Reporting Unit: µg/L (ppb)

Sample ID	Lab ID	C4-C12 (Gasoline Range)	Method Detection Limit	PQL
Method Blank		ND	50	50
MW-9	GF812037-5	1,710	50	50
MW-12	GF812037-13	60	50	50
MW-13	GF812037-12	269	50	50
MW-14	GF812037-7	584	50	50
MW-14 DUP	GF812037-8	591	50	50
MW-15	GF812037-10	1,160	50	50
MW-16	GF812037-3	9,330	50	50
MW-17	GF812037-1	413	50	50
MW-20	GF812037-6	283	50	50
MW-21	GF812037-11	3,110	50	50
MW-23	GF812037-2	429	50	50
MW-24	GF812037-4	215	50	50
MW-25	GF812037-9	381	50	50
Trip Blank	GF812037-14	ND	50	50

PQL: Practical Quantitation Limit.



Alpha Scientific Corporation
Environmental Laboratories

Client: Greve Financial

Lab Job No.: GF812037

Date Reported: 12-16-2008

Project:Angeles Chemical Co./FACC

Matrix: Water

Date Sampled: 12-08-2008

EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED	12-11	12-11-08	12-11-08	12-11-08	12-11-08	12-11-08	12-11-08
DILUTION FACTOR		10	1	1	2.5	2.5	1
LAB SAMPLE I.D.		GF81203 7-5	GF81203 7-13	GF812037 -12	GF812037 -7	GF81203 7-8	GF812037 -10
CLIENT SAMPLE I.D.		MW-9	MW-12	MW-13	MW-14	MW-14 DUP	MW-15
COMPOUND	MDL	PQL	MB				
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	132	3.3	ND	16.0
Bromomethane	2	5	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	3.2J
1,1-Dichloroethene	2	5	ND	842	ND	9.8	404
Iodomethane	2	5	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	996	24.5	ND	375
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	433	3.2J	8.9	75.8
Bromochloromethane	2	5	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	1.9J	ND
1,2-Dichloroethane	2	5	ND	ND	ND	ND	3.3J
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND
Benzene	1	1	ND	7.5J	ND	ND	5.2
Trichloroethene	2	2	ND	51.3	ND	38.3	5.7
1,2-Dichloropropene	2	5	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND

Client: Greve Financial

Lab Job No.: GF812037 Date Reported: 12-16-2008

Project:Angeles Chemical Co./FACC

Matrix: Water

Date Sampled: 12-08-2008



Alpha Scientific Corporation
Environmental Laboratories

EPA 8260B (VOCs by GC/MS, Page 2 of 2)
Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-9	MW-12	MW-13	MW-14	MW-14 DUP	MW-15
Toluene	1	1	ND	ND	ND	ND	ND	ND	9.3
Tetrachloroethene	2	2	ND	93.1	ND	194	13.0	13.6	48.1
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	ND	ND	ND	ND	ND	3.2
Total Xylenes	2	2	ND	ND	ND	ND	ND	ND	11.7
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	2.5J	ND	ND	ND	2.3J
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	50	100	ND	11,200	ND	ND	583	342	624
MTBE	2	2	ND	ND	ND	ND	ND	ND	ND
ETBE	2	2	ND	ND	ND	ND	ND	ND	ND
DIPE	2	2	ND	ND	ND	ND	ND	ND	ND
TAME	2	2	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	ND

* : Obtained from a higher dilution analysis L : Obtained from a lower dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF ×MDL), j=trace concentration.



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial

Lab Job No.: GF812037

Date Reported: 12-16-2008

Project: Angeles Chemical Co./FACC

Matrix: Water

Date Sampled: 12-08-2008

EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED		12-11	12-11-08	12-11-08	12-11-08	12-11-08	12-11-08	12-11-08
DILUTION FACTOR		1	20	1	1	5	1	1
LAB SAMPLE I.D.			GF812037 -3	GF812037 -1	GF812037 -6	GF81203 7-11	GF812037 -2	GF81203 7-4
CLIENT SAMPLE I.D.			MW-16	MW-17	MW-20	MW-21	MW-23	MW-24
COMPOUND	MDL	PQL	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	664*	ND	ND	354	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	31.1	ND	ND	22.2
1,1-Dichloroethene	2	5	ND	2,040	78.3	29.9	629	64.1
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	3,500	ND	10.3	2,320*	1.0J
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	3,230*	4.5J	14.8	1,420*	8.7
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	22.4	ND	ND	17.3
1,2-Dichloroethane	2	5	ND	ND	1.6J	ND	ND	1.5J
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	48.4	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	1	ND	42.8	ND	ND	24.7	ND
Trichloroethene	2	2	ND	382	110	28.4	87.9	91.3
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	11.9J	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND



Alpha Scientific Corporation
Environmental Laboratories

Client: Greve Financial

Lab Job No.: GF812037

Date Reported: 12-16-2008

Project: Angeles Chemical Co./FACC

Matrix: Water

Date Sampled: 12-08-2008

EPA 8260B (VOCs by GC/MS, Page 2 of 2)

Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-16	MW-17	MW-20	MW-21	MW-23	MW-24
Toluene	1	1	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	2	ND	ND	128	125	103	186	122
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	2	2	ND	ND	ND	ND	46.4	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	30.6J	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	50	100	ND	9,110	ND	ND	ND	ND	ND
MTBE	2	2	ND	ND	ND	ND	ND	ND	ND
ETBE	2	2	ND	ND	ND	ND	ND	ND	ND
DIPE	2	2	ND	ND	ND	ND	ND	ND	ND
TAME	2	2	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	ND

* : Obtained from a higher dilution analysis L : Obtained from a lower dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF ×MDL), j=trace concentration.



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial
Project: Angeles Chemical Co./FACC

Lab Job No.: GF812037
Matrix: Water

Date Reported: 12-16-2008
Date Sampled: 12-08-2008

EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED		12-11	12-11-08	12-11-08				
DILUTION FACTOR			2	1				
LAB SAMPLE I.D.			GF812037	GF812037				
CLIENT SAMPLE I.D.			MW-25	Trip Blank				
COMPOUND	MDL	PQL	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND			
Chloromethane	2	5	ND	ND	ND			
Vinyl Chloride	1	2	ND	ND	ND			
Bromomethane	2	5	ND	ND	ND			
Chloroethane	2	5	ND	ND	ND			
Trichlorofluoromethane	2	5	ND	29.7	ND			
1,1-Dichloroethene	2	5	ND	71.8	ND			
Iodomethane	2	5	ND	ND	ND			
Methylene Chloride	2	5	ND	ND	ND			
trans-1,2-Dichloroethene	2	5	ND	ND	ND			
1,1-Dichloroethane	1	2	ND	1.1J	ND			
2,2-Dichloropropane	2	5	ND	ND	ND			
cis-1,2-Dichloroethene	2	5	ND	7.1J	ND			
Bromochloromethane	2	5	ND	ND	ND			
Chloroform	2	5	ND	16.2	ND			
1,2-Dichloroethane	2	5	ND	ND	ND			
1,1,1-Trichloroethane	2	5	ND	ND	ND			
Carbon tetrachloride	2	5	ND	ND	ND			
1,1-Dichloropropene	2	5	ND	ND	ND			
Benzene	1	1	ND	ND	ND			
Trichloroethene	2	2	ND	118	ND			
1,2-Dichloropropane	2	5	ND	ND	ND			
Bromodichloromethane	2	5	ND	ND	ND			
Dibromomethane	2	5	ND	ND	ND			
trans-1,3-Dichloropropene	2	5	ND	ND	ND			
cis-1,3-Dichloropropene	2	5	ND	ND	ND			
1,1,2-Trichloroethane	2	5	ND	ND	ND			
1,3-Dichloropropane	2	5	ND	ND	ND			
Dibromochloromethane	2	5	ND	ND	ND			
2-Chloroethylvinyl ether	2	5	ND	ND	ND			
Bromoform	2	5	ND	ND	ND			
Isopropylbenzene	2	5	ND	ND	ND			
Bromobenzene	2	5	ND	ND	ND			



Alpha Scientific Corporation
Environmental Laboratories

Client: Greve Financial

Lab Job No.: GF812037

Date Reported: 12-16-2008

Project: Angeles Chemical Co./FACC

Matrix: Water

Date Sampled: 12-08-2008

EPA 8260B (VOCs by GC/MS, Page 2 of 2)

Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-25	Trip Blank				
Toluene	1	1	ND	ND	ND				
Tetrachloroethene	2	2	ND	138	ND				
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND				
Chlorobenzene	2	5	ND	ND	ND				
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND				
Ethylbenzene	1	1	ND	ND	ND				
Total Xylenes	2	2	ND	ND	ND				
Styrene	2	5	ND	ND	ND				
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND				
1,2,3-Trichloropropane	2	5	ND	ND	ND				
n-Propylbenzene	2	5	ND	ND	ND				
2-Chlorotoluene	2	5	ND	ND	ND				
4-Chlorotoluene	2	5	ND	ND	ND				
1,3,5-Trimethylbenzene	2	5	ND	ND	ND				
tert-Butylbenzene	2	5	ND	ND	ND				
1,2,4-Trimethylbenzene	2	5	ND	ND	ND				
Sec-Butylbenzene	2	5	ND	ND	ND				
1,3-Dichlorobenzene	2	5	ND	ND	ND				
p-Isopropyltoluene	2	5	ND	ND	ND				
1,4-Dichlorobenzene	2	5	ND	ND	ND				
1,2-Dichlorobenzene	2	5	ND	ND	ND				
n-Butylbenzene	2	5	ND	ND	ND				
1,2,4-Trichlorobenzene	2	5	ND	ND	ND				
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND				
Hexachlorobutadiene	2	5	ND	ND	ND				
Naphthalene	2	5	ND	ND	ND				
1,2,3-Trichlorobenzene	2	5	ND	ND	ND				
Acetone	5	25	ND	ND	ND				
2-Butanone (MEK)	5	25	ND	ND	ND				
Carbon disulfide	5	25	ND	ND	ND				
4-Methyl-2-pentanone	5	25	ND	ND	ND				
2-Hexanone	5	25	ND	ND	ND				
Vinyl Acetate	5	25	ND	ND	ND				
1,4-Dioxane	50	100	ND	ND	ND				
MTBE	2	2	ND	ND	ND				
ETBE	2	2	ND	ND	ND				
DIPE	2	2	ND	ND	ND				
TAME	2	2	ND	ND	ND				
T-Butyl Alcohol	10	10	ND	ND	ND				

*: Obtained from a higher dilution analysis L : Obtained from a lower dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF ×MDL),

j=trace concentration.



12-16-2008

**EPA 8015M
Batch QA/QC Report**

Client:	Greve Financial	Lab Job No.:	GF812037
Project:	Angeles Chemical Co./FACC		
Matrix:	Water	Lab Sample ID:	SW81211-1
Batch No.:	BML11-GW1	Date Analyzed:	12-11-2008

**I. MS/MSD Report
Unit: ppb**

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1000	1,010	986	101.0	98.6	2.4	30	70-130

**II. LCS Result
Unit: ppb**

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-g	1,050	1,000	105.0	80-120

ND: Not Detected (at the specified limit).



12-16-2008

**EPA 8260B
Batch QA/QC Report**

Client: Greve Financial Lab Job No.: GF812037
Project: Angeles Chemical Co./FACC
Matrix: Water Lab Sample ID: SW81211-1
Batch No: 1211-VOBW1 Date Analyzed: 12-11-2008

I. MS/MSD Report

Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS % Rec.	MSD % Rec.	% RPD	% RPD Accept. Limit	% Rec Accept. Limit
1,1-Dichloroethene	ND	20	15.6	17.1	78.0	85.5	9.2	30	70-130
Benzene	ND	20	17.9	18.6	89.5	93.0	3.8	30	70-130
Trichloro-ethene	ND	20	17.6	18.0	88.0	90.0	2.2	30	70-130
Toluene	ND	20	17.3	18.8	86.5	94.0	8.3	30	70-130
Chlorobenzene	ND	20	17.7	18.7	88.5	93.5	5.5	30	70-130

II. LCS Result

Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	19.9	20.0	99.5	80-120
Benzene	20.1	20.0	100.5	80-120
Trichloro-ethene	19.4	20.0	97.0	80-120
Toluene	22.2	20.0	111.0	80-120
Chlorobenzene	22.1	20.0	110.5	80-120

ND: Not Detected (at the specified limit)

SOUTHLAND TECHNICAL SERVICES, INC.

Page ____ of ____

CHAIN OF CUSTODY RECORD

Lab Job Number GTF 812037

Client: <u>GREVE FINANCIAL (JOE KENNEDY)</u>							Analyses Requested							T.A.T. Requested	
Address														<input type="checkbox"/> Rush 8 12 24 hours	
Report Attention <u>MARK SLATTEN</u> Phone <u>951 9706955</u> Fax <u>951 6772088</u> Sampled by <u>M SLATTEN</u>														<input type="checkbox"/> 2-3 days <input checked="" type="radio"/> Normal	
Project Name/No.		Project Site												Sample Condition	
Client Sample ID	Lab Sample ID	Sample Collect		Matrix Type	Sample Preserve	No.,type* & size of container								Remarks	
		Date	Time												
MW-17	<u>GTF 812037-1</u>	<u>12-8</u>	<u>0735</u>	GW	HCL	<u>240ml</u>	X	8015M (Gasoline)							V0AS
MW-23		2	<u>0745</u>			<u>240ml</u>			X	8260B (VOCs)					
MW-16		3	<u>0805</u>			<u>240ml</u>				8260B (Oxygenates, BTEX)					
MW-24		4	<u>0830</u>			<u>240ml</u>				8260B (MTBE Confirm.)					
MW-9		5	<u>0915</u>			<u>1-40ML</u>									
MW-20		6	<u>0940</u>			<u>1-40 ml</u>									
MW-11			<u>1005</u>			<u>2-40ml</u>									
MW-14		7	<u>1025</u>			<u>1-40ml</u>									
MW-14 duplicate		8	<u>1025</u>			<u>1-40ml</u>									
MW-25		9	<u>1050</u>			<u>2-40ml</u>									
MW-15		10	<u>1110</u>			<u>2-40ml</u>									
MW-21		11	<u>1130</u>			<u>2-40ml</u>									
MW-1813		12	<u>1200</u>			<u>2-40ml</u>									
MW-12		13	<u>1210</u>			<u>1-40 ml</u>									
TB		14	<u>0700</u>	<u>14</u>	<u>14</u>	<u>1-40ml</u>	<u>↓</u>		<u>↓</u>		<u>↓</u>				<u>↓</u>
Relinquished by <u>MARK SLATTEN</u>	Company <u>Mark Slatten CleanSoil</u>	Date <u>12-8-08</u>	Time <u>1420</u>	Received by <u>AJC</u>	Company <u>ASL</u>	Container types: M=Metal Tube A=Air Bag P=Plastic bottle G=Glass bottle V=VOA vial									
Relinquished by _____ _____ _____ _____	Company _____ _____ _____ _____	Date _____ _____ _____ _____	Time _____ _____ _____ _____	Received by _____ _____ _____ _____	Company _____ _____ _____ _____										

Southland Tech. Services, Inc.

7801 Telegraph Road, Suite L & K
Montebello, CA 90640Tel: (323) 888-0728
Fax: (323) 888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
 Distribution: WHITE with report, PINK to courier.



Alpha Scientific Corporation

Environmental Laboratories

09-12-2008

Mr. Joseph Kennedy
Greve Financial
PO Box 1684
Lomita, CA 90717

Project: Angeles Chemical Co./FACC
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 09-09-2008
Lab Job No.: GF809033

Dear Mr. Kennedy:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 09-09-2008 and analyzed for the following parameters:

EPA 8260B (VOCs by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is certified by CA DHS (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our Laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial

Lab Job No.: GF809033

Date Reported: 09-12-2008

Project: Angeles Chemical Co./FACC

Matrix: Water

Date Sampled: 09-09-2008

EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED	09-10	09-10-08						
DILUTION FACTOR		1						
LAB SAMPLE I.D.		GF809033-1						
CLIENT SAMPLE I.D.		Condensate						
COMPOUND	MDL	PQL	MB					
Dichlorodifluoromethane	2	5	ND	ND				
Chloromethane	2	5	ND	ND				
Vinyl Chloride	1	2	ND	ND				
Bromomethane	2	5	ND	ND				
Chloroethane	2	5	ND	ND				
Trichlorofluoromethane	2	5	ND	ND				
1,1-Dichloroethene	2	5	ND	ND				
Iodomethane	2	5	ND	ND				
Methylene Chloride	2	5	ND	ND				
trans-1,2-Dichloroethene	2	5	ND	ND				
1,1-Dichloroethane	1	2	ND	ND				
2,2-Dichloropropane	2	5	ND	ND				
cis-1,2-Dichloroethene	2	5	ND	ND				
Bromochloromethane	2	5	ND	ND				
Chloroform	2	5	ND	ND				
1,2-Dichloroethane	2	5	ND	ND				
1,1,1-Trichloroethane	2	5	ND	ND				
Carbon tetrachloride	2	5	ND	ND				
1,1-Dichloropropene	2	5	ND	ND				
Benzene	1	1	ND	ND				
Trichloroethene	2	2	ND	ND				
1,2-Dichloropropane	2	5	ND	ND				
Bromodichloromethane	2	5	ND	ND				
Dibromomethane	2	5	ND	ND				
trans-1,3-Dichloropropene	2	5	ND	ND				
cis-1,3-Dichloropropene	2	5	ND	ND				
1,1,2-Trichloroethane	2	5	ND	ND				
1,3-Dichloropropane	2	5	ND	ND				
Dibromochloromethane	2	5	ND	ND				
2-Chloroethylvinyl ether	2	5	ND	ND				
Bromoform	2	5	ND	ND				
Isopropylbenzene	2	5	ND	ND				
Bromobenzene	2	5	ND	ND				



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial

Lab Job No.: GF809033

Date Reported: 09-12-2008

Project: Angeles Chemical Co./FACC

Matrix: Water

Date Sampled: 09-09-2008

EPA 8260B (VOCs by GC/MS, Page 2 of 2)

Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	Condensate							
Toluene	1	1	ND	ND							
Tetrachloroethene	2	2	ND	ND							
1,2-Dibromoethane(EDB)	2	5	ND	ND							
Chlorobenzene	2	5	ND	ND							
1,1,1,2-Tetrachloroethane	2	5	ND	ND							
Ethylbenzene	1	1	ND	ND							
Total Xylenes	2	2	ND	ND							
Styrene	2	5	ND	ND							
1,1,2,2-Tetrachloroethane	2	5	ND	ND							
1,2,3-Trichloropropane	2	5	ND	ND							
n-Propylbenzene	2	5	ND	ND							
2-Chlorotoluene	2	5	ND	ND							
4-Chlorotoluene	2	5	ND	ND							
1,3,5-Trimethylbenzene	2	5	ND	ND							
tert-Butylbenzene	2	5	ND	ND							
1,2,4-Trimethylbenzene	2	5	ND	ND							
Sec-Butylbenzene	2	5	ND	ND							
1,3-Dichlorobenzene	2	5	ND	ND							
p-Isopropyltoluene	2	5	ND	ND							
1,4-Dichlorobenzene	2	5	ND	ND							
1,2-Dichlorobenzene	2	5	ND	ND							
n-Butylbenzene	2	5	ND	ND							
1,2,4-Trichlorobenzene	2	5	ND	ND							
1,2-Dibromo-3-Chloropropane	2	5	ND	ND							
Hexachlorobutadiene	2	5	ND	ND							
Naphthalene	2	5	ND	ND							
1,2,3-Trichlorobenzene	2	5	ND	ND							
Acetone	5	25	ND	ND							
2-Butanone (MEK)	5	25	ND	ND							
Carbon disulfide	5	25	ND	ND							
4-Methyl-2-pentanone	5	25	ND	ND							
2-Hexanone	5	25	ND	ND							
Vinyl Acetate	5	25	ND	ND							
1,4-Dioxane	50	100	ND	ND							
MTBE	2	2	ND	ND							
ETBE	2	2	ND	ND							
DIPE	2	2	ND	ND							
TAME	2	2	ND	ND							
T-Butyl Alcohol	10	10	ND	ND							

*: Obtained from a higher dilution analysis L : Obtained from a lower dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF ×MDL),

j=trace concentration. SV=sample in special vial.



Alpha Scientific Corporation

Environmental Laboratories

09-12-2008

EPA 8260B Batch QA/QC Report

Client: Greve Financial Lab Job No.: GF809033
Project: Angeles Chemical Co./FACC
Matrix: Water Lab Sample ID: NL809040-1
Batch No: 0910-VOBW1 Date Analyzed: 09-10-2008

I. MS/MSD Report Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS % Rec.	MSD % Rec.	% RPD	% RPD Accept. Limit	% Rec Accept. Limit
1,1-Dichloroethene	ND	20	16.4	18.9	82.0	94.5	14.2	30	70-130
Benzene	ND	20	19.0	19.2	95.0	96.0	1.0	30	70-130
Trichloro-ethene	ND	20	22.8	18.5	114.0	92.5	20.8	30	70-130
Toluene	ND	20	18.0	19.2	90.0	96.0	6.5	30	70-130
Chlorobenzene	ND	20	18.4	18.6	92.0	93.0	1.1	30	70-130

II. LCS Result Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	50.3	50.0	100.6	80-120
Benzene	48.2	50.0	96.4	80-120
Trichloro-ethene	48.5	50.0	97.0	80-120
Toluene	47.6	50.0	95.2	80-120
Chlorobenzene	48.7	50.0	97.4	80-120

ND: Not Detected (at the specified limit)



ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Page _____ of _____

Lab Job Number GF809033

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.



Alpha Scientific Corporation

Environmental Laboratories

10-10-2008

Mr. Joseph Kennedy
Greve Financial Services
PO Box 1684
Lomita, CA 90717

Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 10-03-2008
Lab Job No.: GF810025

Dear Mr. Kennedy:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 10-03-2008 and analyzed for the following parameters:

EPA 8260B (VOCs by GC/MS)

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is certified by CA DHS (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial Services
Project: Angeles Chemical Co.

Lab Job No.: GF810025
Matrix: Vapor

Date Reported: 10-10-2008
Date Sampled: 10-03-2008

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/L

DATE ANALYZED	10-03-08	10-03-08	10-03-08		
DILUTION FACTOR (DF)	1	1	1		
LAB SAMPLE I.D.		GF810025-1	GF810025-2		
CLIENT SAMPLE I.D.		Outlet	Inlet		
COMPOUND	MDL	PQL	MB		
Dichlorodifluoromethane	1	5	ND	ND	ND
Chloromethane	1	5	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND
Bromomethane	1	5	ND	ND	ND
Chloroethane	1	5	ND	ND	ND
Trichlorofluoromethane	1	5	ND	ND	ND
1,1-Dichloroethene	1	5	ND	9.4	2.2 J
Iodomethane	1	5	ND	ND	ND
Methylene Chloride	1	5	ND	ND	ND
trans-1,2-Dichloroethene	1	5	ND	ND	ND
1,1-Dichloroethane	1	5	ND	7.9	3.1 J
2,2-Dichloropropane	1	5	ND	ND	ND
cis-1,2-Dichloroethene	1	5	ND	2.4	3.0 J
Bromochloromethane	1	5	ND	ND	ND
Chloroform	1	5	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND
1,1,1-Trichloroethane	1	5	ND	42.6	16.1
Carbon tetrachloride	1	5	ND	ND	ND
1,1-Dichloropropene	1	5	ND	ND	ND
Benzene	1	1	ND	ND	ND
Trichloroethene	1	2	ND	ND	1.0 J
1,2-Dichloropropane	1	5	ND	ND	ND
Bromodichloromethane	1	5	ND	ND	ND
Dibromomethane	1	5	ND	ND	ND
Trans-1,3-Dichloropropene	1	5	ND	ND	ND
cis-1,3-Dichloropropene	1	5	ND	ND	ND
1,1,2-Trichloroethane	1	5	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND
Dibromochloromethane	1	5	ND	ND	ND
2-Chloroethylvinyl ether	1	5	ND	ND	ND
Bromoform	1	5	ND	ND	ND
Isopropylbenzene	1	5	ND	ND	ND
Bromobenzene	1	5	ND	ND	ND



Alpha Scientific Corporation

Environmental Laboratories

Client: Greve Financial Services
Project: Angeles Chemical Co.

Lab Job No.: GF810025
Matrix: Vapor

Date Reported: 10-10-2008
Date Sampled: 10-03-2008

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: µg/L

COMPOUND	MDL	PQL	MB	Outlet	Inlet		
Toluene	1	1	ND	ND	ND		
Tetrachloroethene	1	2	ND	ND	7.5		
1,2-Dibromoethane(EDB)	1	5	ND	ND	ND		
Chlorobenzene	1	5	ND	ND	ND		
1,1,1,2-Tetrachloroethane	1	5	ND	ND	ND		
Ethylbenzene	1	1	ND	ND	ND		
Total Xylenes	1	2	ND	ND	ND		
Styrene	1	5	ND	ND	ND		
1,1,2,2-Tetrachloroethane	1	5	ND	ND	ND		
1,2,3-Trichloropropane	1	5	ND	ND	ND		
n-Propylbenzene	1	5	ND	ND	ND		
2-Chlorotoluene	1	5	ND	ND	ND		
4-Chlorotoluene	1	5	ND	ND	ND		
1,3,5-Trimethylbenzene	1	5	ND	ND	ND		
tert-Butylbenzene	1	5	ND	ND	ND		
1,2,4-Trimethylbenzene	1	5	ND	ND	ND		
Sec-Butylbenzene	1	5	ND	ND	ND		
1,3-Dichlorobenzene	1	5	ND	ND	ND		
p-Isopropyltoluene	1	5	ND	ND	ND		
1,4-Dichlorobenzene	1	5	ND	ND	ND		
1,2-Dichlorobenzene	1	5	ND	ND	ND		
n-Butylbenzene	1	5	ND	ND	ND		
1,2,4-Trichlorobenzene	1	5	ND	ND	ND		
1,2-Dibromo-3-Chloropropane	1	5	ND	ND	ND		
Hexachlorobutadiene	1	5	ND	ND	ND		
Naphthalene	1	5	ND	ND	ND		
1,2,3-Trichlorobenzene	1	5	ND	ND	ND		
Aceton	5	20	ND	ND	ND		
2-Butanone (MEK)	5	20	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	5	20	ND	ND	ND		
2-Hexanone	5	20	ND	ND	ND		
Vinyl Acetate	5	20	ND	ND	ND		
MTBE	1	2	ND	ND	ND		

MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected (below DF × MDL); J=trace concentration.
* Obtained from a higher dilution analysis.



Alpha Scientific Corporation

Environmental Laboratories

10-10-2008

EPA 8260B Batch QA/QC Report

Client: Greve Financial Services Lab Job No.: GF810025
Project: Angeles Chemical Co.
Matrix: Vapor samples Lab Sample ID: AI810018-2
Batch No.: 1003-VOBV1 Date Analyzed: 10-03-2008

I. Sample/Sample Dup Report Reporting Units: $\mu\text{L/L}$ (ppm-Vol)

Analyte	MB	Sample Conc.	Sample Duplicate	% RPD	% RPD Accept. Limit
MTBE	ND	ND	ND	0	30
Benzene	ND	ND	ND	0	30
Toluene	ND	ND	ND	0	30
Ethyl Benzene	ND	ND	ND	0	30
Total Xylenes	ND	ND	ND	0	30
1,1-DCE	ND	ND	ND	0	30
TCE	ND	ND	ND	0	30
PCE	ND	ND	ND	0	30

II. LCS Result Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	22.3	20.0	111.5	80-120
Benzene	19.4	20.0	97.0	80-120
Trichloro-ethene	17.9	20.0	89.5	80-120
Toluene	18.9	20.0	94.5	80-120
Chlorobenzene	20.4	20.0	102.0	80-120

ND: Not Detected.



ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Page 1 of 1

Lab Job Number GF810025

<p>Client: Greve Financial Svcs Inc</p> <p>Address: PO BOX 1684 Lomita CA 90717</p> <p>Report Attention: JOE Phone: 3107535710 Fax: Sampled by: Joe K</p> <p>Project Name/No. Project Site</p>						Analyses Requested						T.A.T. Requested	
Client Sample ID	Lab Sample ID	Sample Collect		Matrix Type	Sample Preserv	No., type* & size of container	8015M (Gasoline)	8015M(Diesel)	8260B(BTEX, Oxygenates)	8260B (VOCs)	8270C(SVOCs)	CAM Metals	Sample Condition
		Date	Time										
SUE Inlet	GF810005-2	10/3/08	15:00	VAPOR	Tedlar	X	X					<input checked="" type="checkbox"/> 2-3 days Normal	
SUE Outlet	-1	10/3/08	15:00	VAPOR	"	X						<input type="checkbox"/> Chilled <input checked="" type="checkbox"/> Intact	
												<input type="checkbox"/> Sample seals	
												Remark	

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.